



University of the State of New York.

COLLEGE OF THE CITY
OF
NEW YORK.

FORTY-SECOND ANNUAL REGISTER.

1887-88
1890-91.

Learning and Labor.

LIBRARY
OF THE
University of Illinois.

CLASS.

BOOK.

VOLUME.

C N48CH 1887-91

Accession No.



422
116
LIBRARY

University of the State of New York.



THIRTY-NINTH

ANNUAL REGISTER

OF

THE COLLEGE OF THE CITY

OF

NEW YORK.



1887-8.

PRESS OF DE LEEUW, OPPENHEIMER & MYERS,
108 & 110 DUANE STREET, NEW YORK.

CONTENTS.

1887-88.

	PAGE
BOARD OF REGENTS,	4
BOARD OF TRUSTEES—EXECUTIVE COMMITTEE,	5
OFFICERS OF INSTRUCTION, GOVERNMENT, ETC.,	6
THE COLLEGE—ITS FOUNDATION, HISTORY, ETC.,	11
TERMS, VACATIONS, DAILY SESSIONS,	11
REQUISITES FOR ADMISSION,	12
COURSES OF STUDY,	13
DEPARTMENTS OF STUDY,	22
LIBRARY,	36
WORKSHOP,	37
DISCIPLINE,	38
EXAMINATIONS,	38
ALLOWANCE OF MARKS,	39
MERIT ROLL,	40
COMMENCEMENT,	40
MEDALS AND PRIZES,	41
CLASSICAL SCHOLARSHIP,	46
Degrees,	46
THE ASSOCIATE ALUMNI,	47
STUDENTS' AID FUND,	47
LITERARY SOCIETIES,	47
 COMMENCEMENT, 1887—	
MEDALISTS AND PRIZEMEN,	48
HONOR MEN,	50
DEGREES CONFERRED,	51
 DIRECTORY—	
CALENDAR,	52
BOARD OF TRUSTEES,	53
OFFICERS OF THE COLLEGE,	54
STUDENTS,	57

UNIVERSITY OF THE STATE OF NEW YORK.

BOARD OF REGENTS.

1887.

HENRY R. PIERSON, LL.D., <i>Chancellor of the University,</i>	ALBANY.
GEORGE WILLIAM CURTIS, LL.D., <i>Vice-Chancellor,</i>	WEST NEW BRIGHTON.
DAVID B. HILL, <i>Governor,</i>	
EDWARD F. JONES, <i>Lieutenant-Governor,</i>	
FREDERIC COOK, <i>Secretary of State,</i>	
ANDREW S. DRAPER, <i>Sup't of Public Instruction,</i>	

} *Ex-Officio, ALBANY.*

Arranged in the order of their appointment :

ELIAS W. LEAVENWORTH, LL.D., 1861,	SYRACUSE.
GEORGE W. CURTIS, LL.D., 1864,	WEST NEW BRIGHTON.
FRANCIS KERNAN, LL.D., 1870,	UTICA.
JOHN L. LEWIS, 1871,	PENN YAN.
HENRY R. PIERSON, LL.D., 1872,	ALBANY.
MARTIN I. TOWNSEND, LL.D., 1873,	TROY.
ANSON J. UPSON, D.D., LL.D., 1874,	AUBURN.
WILLIAM L. BOSTWICK, 1876,	ITHACA.
CHANCEY M. DEPEW, LL.D., 1877,	NEW YORK.
CHARLES E. FITCH, 1877,	ROCHESTER.
ORRIS H. WARREN, D.D., 1877,	SYRACUSE.
LESLIE W. RUSSELL, LL.D., 1878,	CANTON.
WHITELAW REID, 1878,	NEW YORK.
WILLIAM H. WATSON, M.D., 1881,	UTICA.
HENRY E. TURNER, 1881,	LOWVILLE.
ST. CLAIR McKELWAY, 1883,	ALBANY.
HAMILTON HARRIS, 1885,	ALBANY.
DANIEL BEACH, 1885,	WATKINS.
WILLARD A. COBB, 1886,	LOCKPORT.
DAVID MURRAY, LL.D., <i>Secretary,</i>	ALBANY.
ALBERT B. WATKINS, Ph. D., <i>Assistant Secretary,</i>	ALBANY.

BOARD OF TRUSTEES.

J. EDWARD SIMMONS, LL.D., CHAIRMAN.

Mrs. MARY NASH AGNEW,	HENRY SCHMITT,
ISAAC BELL,	DE WITT J. SELIGMAN,
WILLIAM A. COLE,	J. EDWARD SIMMONS, LL.D.,
CHARLES CRARY,	HENRY L. SPRAGUE,
Miss GRACE H. DODGE,	EDWARD J. H. TAMSEN,
ROBERT M. GALLAWAY,	FERDINAND TRAUD,
RANDOLPH GUGGENHEIMER,	JACOB D. VERMILYE,
CHARLES L. HOLT,	H. WALTER WEBB,
WILLIAM LUMMIS,	W. J. WELCH, M. D.,
MILES M. O'BRIEN,	WILLIAM WOOD, LL.D.,
SAMUEL M. PURDY,	ALEXANDER S. WEBB, LL.D.

ARTHUR McMULLIN, A.M., SECRETARY.
EDWARD E. VAN SAUN, ASSISTANT SECRETARY.

EXECUTIVE COMMITTEE

FOR THE

CARE, GOVERNMENT AND MANAGEMENT OF THE COLLEGE.

CHARLES L. HOLT, CHAIRMAN.

MESSRS. COLE, GALLAWAY, LUMMIS, O'BRIEN, SIMMONS,
SPRAGUE, TAMSEN, WOOD AND A. S. WEBB.

OFFICERS
OF
INSTRUCTION, GOVERNMENT, ETC.

ARRANGED IN ORDER OF SENIORITY.

THE PRESIDENT AND PROFESSORS CONSTITUTE THE FACULTY.

ALEXANDER STEWART WEBB, LL.D.,
President.

JEAN ROEMER, LL.D.,
Vice-President, and Professor of the French Language and Literature.

ROBERT OGDEN DOREMUS, M.D., LL.D.,
Professor of Chemistry and Physics.

ADOLPH WERNER, Ph.D.,
Professor of the German Language and Literature, and Secretary of
the Faculty.

ALFRED GEORGE COMPTON, A.M.,
Professor of Applied Mathematics.

CHARLES GEORGE HERBERMANN, Ph.D., LL.D.,
Professor of the Latin Language and Literature, and Librarian.

DAVID BURNET SCOTT, Ph.D.,
Professor of the English Language and Literature.

SOLOMON WOOLF, A.M.,
Professor of Descriptive Geometry and Drawing.

GEORGE BENTON NEWCOMB, Ph.D.,
Professor of Moral and Intellectual Philosophy.

FITZ GERALD TISDALL, PH.D.,
Professor of the Greek Language and Literature.

JAMES WEIR MASON, A.M.,
Professor of Pure Mathematics.

HENRY PHELPS JOHNSTON, A.B.,
Professor of History.

WILLIAM STRATFORD, M.D., PH.D.,
Professor of Natural History.

BENJAMIN ARAD SHELDON, PH.D.,
Tutor in Mathematics.

CASIMIR FABREGOU, A.M.,
Tutor in French.

ERNEST FISTON, A.M.,
Tutor in French.

*WILLIAM GEORGE McGUCKIN, A.B., LL.B.,
Tutor.

JOHN ROBERT SIM, A.B.,
Tutor.

LEIGH HARRISON HUNT, M.S.,
Tutor.

JULIUS C. MORGENTHAU, PH.D.,
Tutor.

IVIN SICKELS, M.S., M.D.,
Tutor.

GEORGE CHARLES HOLLERITH, B.S.,
Tutor.

CALVIN RAE SMITH,
Tutor.

JOSEPH FRANCIS MULQUEEN, A.M.,
Tutor.

CHARLES AVERY DOREMUS, M.D., PH.D.
Tutor and Assistant in the Laboratory.

JOHN BAUMEISTER, M.S.,
Tutor.

DAVID CHERBULIEZ,
Tutor.

GUSTAVE LEGRAS, B.S.,
Tutor.

LEWIS FREEMAN MOTT, M.S.,
Tutor.

HARVEY MITCHELL, M.E.,
Special Instructor.

AUGUST RUPP, A.B.,
Tutor.

LUIS ALEJANDRO BARALT, A.B., M.D.
Special Instructor in the Spanish Language.

ROBERT HOUSTON,
Special Instructor in Elocution.

HAROLD NATHAN, B.S.,
Tutor.

FORBES R. McCREERY, B.S.,
Tutor.

L. HEINRICH FRIEDBURG, PH.D.,
Special Instructor in Chemistry and Physics.

JOHN ALFRED MANDEL,
Assistant in Laboratory.

CHARLES LANE POOR, B.S.,
Tutor.

BASHFORD DEAN, A.B.,
Tutor.

HENRY G. KOST, B.S.,
Tutor.

WILLIAM FOX, B.S., M.E.,
Tutor.

JAMES HERVEY DE GROADT
Assistant in Workshop.

ROBERT W. CANA,
Registrar and Deputy Librarian.

HENRY MAYELL,
Secretary to the President.

MICHAEL F. BONNEY
Janitor.

JAMES REED,
Engineer.

THE COLLEGE.

The College of the City of New York, originally entitled the Free Academy, was established in 1848 by the Board of Education of the City of New York, in pursuance of an Act of the Legislature of the State, passed May 7, 1847, and ratified by the vote of the people of the city, June 9, 1847. The first class entered January, 1849, and completed its course in July, 1853. In the year 1854 the Legislature passed a law endowing the institution with collegiate powers and privileges, so far as pertained to the conferring upon its graduates the usual collegiate degrees and diplomas in the Arts and Sciences. In the year 1866, on the recommendation of the Board of Education, the Legislature of the State changed the name to that of "*The College of the City of New York*," and conferred on the institution the powers and privileges of a college, pursuant to the Revised Statutes of the State, rendering it subject to the provisions of the said statutes relative to colleges, and to the visitation of the Regents of the University, in like manner with other colleges of the State, and making the members of the Board of Education, *ex officio*, the Trustees of the College. In 1872 the President of the College was, by Act of Legislature, made a member of the Board of Trustees. In the year 1882 the Legislature repealed so much of the statutes relating to the College as had made one year's attendance at the public schools of the city a requisite for admission, thus opening the College to all young men of the city of proper age and sufficient preparation. Instruction is free; so is the use of text-books and apparatus; and there is no expense whatever to be borne by the students.

TERMS, VACATION, DAILY SESSIONS.

The College year begins on the Thursday following the second Monday of September, and closes on the fortieth Thursday thereafter. It is divided into two terms. The first term closes on the fourth Friday of January; the second begins the following Monday.

There are three vacations—the Summer vacation, from the day after Commencement to the Thursday after the second Monday in September; the Winter vacation, from the 25th day of December to the 2d day of January, inclusive; and the Spring vacation, the week in which occurs the first day of May. There are no College exercises on legal holidays, or on any Friday immediately following a legal holiday.

During term-time the exercises begin at 20 minutes to 9 A. M., and continue until 5 minutes after 1 P. M. During the months of December, January, February and March, the sessions may open and close half an hour later.

REQUISITES FOR ADMISSION.

The examination of applicants for admission takes place immediately before the general examination in June. No applicant is admitted to the Sub-Freshman Class unless he be fourteen years of age, a resident of the City of New York, and pass a satisfactory examination in *Writing*, *Spelling*, the *English Language*, *Arithmetic*, some *Elementary Propositions in Geometry*, *Geography*, the *History of the United States*, and the *Elements of Industrial Drawing*.

Any young man, a resident of the city, may be received into any of the higher classes, provided he passes satisfactorily the same examination as the students of the class to which he may seek admission.

In addition to the general examination in June, special examinations for admission to the higher classes are held on the last Friday of each month.

To be admitted to examination, candidates present to the President of the College certificates in due form, signed by the Principals of the Schools which they have attended, and specifying the dates and length of time of their attendance.

No person is allowed to be present at the examinations for admission except the instructors of the College and the members of the Board of Trustees. Neither the names of the candidates nor the schools from which they are sent are made known to the instructors conducting the examination, but each candidate is designated, during examination, by a number assigned to him by

the President. Candidates who pass a good examination are admitted *on probation for eight weeks*, at the expiration of which those who have shown the ability to prosecute the prescribed studies have their names entered on the rolls of the College.

Every student, on leaving the institution, after one year, with a good character, is entitled to a certificate stating the period he has been in the College and the studies there pursued by him, provided he has satisfactorily accounted for all the books and other property entrusted to him; but no student shall receive such a certificate if he be dismissed for misconduct. If a student absents himself for two weeks without permission, his name is stricken from the rolls, and he loses his right to a certificate of good standing on leaving the institution.

COURSES OF STUDY.

The Classical course and the Scientific course extend each over a period of five years. Students who complete these courses to the satisfaction of the Faculty receive the degrees of Bachelor of Arts and Bachelor of Sciences respectively.

The Mechanical course extends over a period of three years, but students pursuing this course, who wish to prepare themselves for mercantile business, may substitute the study of commercial products for mechanical instruction and practice in the workshop. Students who have completed the Mechanical Course may, upon passing a satisfactory examination, remain in the College and enter the Junior Class of the Scientific Course.

Students in the Classical and Scientific courses will be admitted to the workshop after hours of recitation, so far as they can be accommodated, and provided, in the opinion of the Faculty, this additional work does not impede their progress in the courses to which they belong.

There is also a post-graduate course of Civil Engineering extending through two years.

At the time of his admission, every student must present a written statement, made by his parent or guardian, of the course he is to pursue. This statement is registered and filed at the College. A parent or guardian may, however, by a written

request, delegate the selection of the course to the President or the Faculty.

The choice of the course of study should be most carefully considered beforehand, as a proper regard for the welfare of the student, and for the settled order and discipline of the College necessarily forbids any subsequent change.

On the following pages the studies of the various courses are exhibited. In addition to the work as outlined, exercises in declamation are held in the chapel every morning, when, as a rule, one Senior, one Junior and one Sophomore speak before the whole College.

CLASSICAL COURSE.

SUB-FRESHMAN CLASS.

FIRST YEAR—FIRST TERM.

		Hours per week.
English Language.....	{ <i>Elements of Punctuation, Figures and Versification, Poetical Selections,</i>	3
Latin.....	<i>Allen and Greenough's Grammar, Leighton's Lessons,</i>	5
Geometry.....	<i>Davies' Legendre,</i>	5
Botany.....	<i>Kellerman,</i>	2
Free-hand Linear Drawing.....		3
Elements of Physics (Lectures).....	<i>Cooley,</i>	2
Compositions.		

FIRST YEAR—SECOND TERM.

English Language.....	<i>Abbott's "How to Write Clearly,"</i>	3
Latin.....	<i>as in first term,</i>	5
Algebra.....	<i>Wentworth,</i>	5
Botany.....	<i>as in first term,</i>	2
Free-hand Linear Drawing.....		3
Elements of Physics.....	<i>as in first term,</i>	2
Compositions.		

FRESHMAN CLASS.

SECOND YEAR—FIRST TERM.

English Synonyms.....	<i>Graham.</i>	1
Latin.....	{ <i>Herbermann's Sallust, Allen and Greenough's Grammar,</i> <i>Prose Composition.</i>	3
Greek.....	<i>Goodwin's Grammar, White's First Lessons,</i>	3
History.....	<i>Freeman's Historical Course, General Sketch,</i>	3
Algebra.....	<i>Loomis,</i>	2
Geometry.....	<i>Davies' Legendre,</i>	3
Descriptive Geometry.....		3
Zoölogy (Lectures)	<i>Tenney,</i>	2

SECOND YEAR—SECOND TERM.

English Synonyms.....	<i>as in first term,</i>	1
Latin.....	<i>Cicero's Orations, Latin Grammar and Prose Composition,</i>	3
Greek.....	<i>as in first term, and Goodwin's Xenophon's Anabasis,</i>	3
History.....	<i>as in first term,</i>	3

	Hours per week.
Geometry.....	<i>Loomis, Davies' Legendre,</i> 2
Plane Trigonometry and Mensuration....	{ <i>Docharty, Compton's Manual,</i> { <i>Loomis' Logarithms,</i> 3
Zoölogy.....	<i>as in first term,</i> 2
Shades and Shadows and Perspective.....	3
Compositions.	

SOPHOMORE CLASS.

THIRD YEAR—FIRST TERM.

English Language and Literature.....	<i>Shaw, Clark's Elements,</i> 2
Rhetoric.....	<i>Bain's Manual,</i> 2
Logic.....	<i>Jevons,</i> 1
Latin.....	<i>Frieze's Virgil's Aeneid, Grammar, Prose Composition,</i> 2
Greek.	{ <i>Goodwin's Grammar and Anabasis, Arnold's Prose Composition,</i> } 3
History.....	<i>Thompson's History of England,</i> 2
Chemistry.....	<i>Clowes' Practical and Analytical Chemistry,</i> 2
Spherical Trigonometry, Surveying and Navigation.....	<i>Docharty,</i> 3
Free-hand Drawing—Course of Ornament.....	3
Compositions and Declamations.	

THIRD YEAR—SECOND TERM.

English Literature	<i>Shaw,</i> 2
Rhetoric.....	<i>as in first term,</i> 2
Logic.....	<i>as in first term,</i> 1
Latin.....	<i>Lincoln's Livy, Grammar, Prose Composition,</i> 2
Greek	{ <i>Goodwin's Grammar, Arnold's Prose Composition, Winan's Xenophon's Memorabilia and Plato's Crito,</i> } 3
History	<i>as in first term,</i> 2
Chemistry.....	<i>as in first term,</i> 2
Analytical Geometry	<i>Peck,</i> 3
Drawing and Study of the Antique and Figure	3
Compositions and Declamations.	

JUNIOR CLASS.

FOURTH YEAR—FIRST TERM.

English Language and Literature, Poetry...{	Brooke, Shaw and Printed Selections, 2
Latin.....	{ <i>Anthon's Horace, Tyler's Tacitus, Agricola and Germania, Grammar, Prose Composition,</i> } 4
Greek	{ <i>Goodwin's Greek Grammar, Arnold's Prose Composition, Demosthenes' Orations,</i> } 3

	Hours per week.
Political Science*..... { <i>Lectures, Cooley's and Kent's Constitutional Law, Woolsey's International Law,</i> }	3
Mathematical Physics and Astronomy (Lectures)..... Bartlett, Newcomb,	4
Chemical Physics..... Pynchon,	2
History (Lectures)..... Eliot's <i>History of the U. S.</i> ,	1
Anthropology (Lectures).....	1
Original Declamations.	

FOURTH YEAR—SECOND TERM.

English Language and Literature, Prose.....	{ <i>Brooke, Shaw and Printed Selections,</i> }	2
Latin	{ <i>Cicero's Letters, Horace's Satires and Epistles, Prose Composition,</i> }	4
Greek.....	{ <i>Grammar and Prose Composition, Selections from Iliad or Odyssey of Homer,</i> }	3
Optics and Astronomy (Lectures).....	as in first term,	4
Political Economy (Lectures).....	Walker's <i>Political Economy,</i>	3
Chemical Physics.....	as in first term,	2
History.....	as in first term,	1
Anthropology.....	as in first term,	1
Original Declamations.		

*In the Junior year the students in the Classical Course have the option between Mathematics (the Calculus) and Philosophy (Law and Economy).

SENIOR CLASS.

FIFTH YEAR—FIRST TERM.

	Hours per week.	
{ French { <i>Robertson's Grammar, Roemer's Polyglot Reader, Roemer's Cours de Lecture, Vols. I, II. Roemer's French Idioms,</i> }		
or { <i>Glaubensklee's Grammar, Oltrogge's Reader,</i> }		
{ German..... <i>Ollendorff's Grammar, Morales' Reader, Butler's Phrases,</i> }	5	
Spanish { <i>Iriarte's Fables,</i> }		
Latin..... <i>Reid's Cicero's Academica, Harrington's Plautus,</i>	3	
Greek..... { <i>A Play of Aeschylus or Sophocles or Euripides, Selections from Herodotus or Thucydides, Jevons' Greek Literature,</i> }	3	
Chemistry	<i>Bloxam, Clowes' Practical Chemistry,</i>	3
{ Psychology..... <i>Lectures, Janes' Human Psychology,</i> }		
{ Pedagogics*..... <i>Lectures,</i> }	4	
Geology, Mineralogy and Palaeontology (Lectures)..... Dana,	1	
Æsthetics and the History of Art (Lectures).....	1	
Original Declamations.		

FIFTH YEAR—SECOND TERM.

Hours
per week.

$\left\{ \begin{array}{l} \text{French} \\ \text{or} \\ \text{German} \\ \text{or} \\ \text{Spanish} \end{array} \right\}$	$\left\{ \begin{array}{l} \text{as in first term,} \\ \text{5} \end{array} \right\}$
Latin.....	<i>Cicero's Academica, Maclean's Juvenal,</i>
Greek	$\left\{ \begin{array}{l} \text{A Play of Aristophanes, Lectures on the} \\ \text{Language and Literature, Jevons,} \end{array} \right\}$
History of Philosophy, Ethics.....	<i>Lectures with references to Elmendorf,</i>
Chemistry.....	<i>as in first term,</i>
Geology, Mineralogy, Palaeontology.....	<i>as in first term,</i>
Æsthetics and the History of Art.. .	<i>as in first term,</i>
Pedagogics (Lectures)*	
Original Declamations.	

*Lectures on the theory of Pedagogics are delivered during the first term by the Professor of Philosophy. During the second term students have the option of continuing the course in Geology, etc., or attending Lectures on the practice of Pedagogics delivered by the Professor of English.

SCIENTIFIC COURSE.

SUB-FRESHMAN CLASS.

FIRST YEAR—FIRST TERM.

Hours
per week.

$\left\{ \begin{array}{l} \text{English Language} \\ \text{French} \end{array} \right\}$	$\left\{ \begin{array}{l} \text{Elements of Punctuation, Figures and} \\ \text{Versification, Poetical Selections,} \end{array} \right\}$	$\left\{ \begin{array}{l} \text{Roemer's Polyglot Reader, Robertson's Grammar,} \\ \text{Geometry} \end{array} \right\}$	$\left\{ \begin{array}{l} \text{Davies' Legendre,} \\ \text{Botany} \end{array} \right\}$	$\left\{ \begin{array}{l} \text{Kellerman,} \\ \text{Free-hand Linear Drawing} \end{array} \right\}$	$\left\{ \begin{array}{l} \text{Cooley,} \\ \text{Elements of Physics (Lectures).} \end{array} \right\}$
--	---	--	---	--	--

FIRST YEAR—SECOND TERM.

English Language.....	<i>Abbol's, "How to Write Clearly,"</i>	3
French.....	<i>as in first term, and Cours de Lecture, I,</i>	5
Algebra.....	<i>Wentworth,</i>	5
Botany.....	<i>as in first term,</i>	2
Free-hand Linear Drawing.....		3
Elements of Physics.....	<i>as in first term,</i>	2

FRESHMAN CLASS.

SECOND YEAR—FIRST TERM.

		Hours per week.
English Synonyms.....	Graham,	1
French	{ Roemer's <i>Cours de Lecture</i> , Vols. I and II, { Roemer's <i>Polyglot Reader</i> , }	3
{ German.....	Eysenbach's <i>Grammar</i> , }	2
or		
{ Spanish.....	Ollendorff, Morales' <i>Reader</i> , Butler's <i>Phrases</i> , }	2
History.....	Freeman's <i>Historical Course</i> , General Sketch,	3
Algebra.....	Loomis,	2
Geometry.....	Davies' <i>Legendre</i> ,	3
Zoölogy.....	Tenney,	2
Descriptive Geometry.....		4
Compositions.		

SECOND YEAR—SECOND TERM.

English Synonyms.....	as in first term,	1
French.....	as in first term,	3
{ German.....	{ as in first term,	2
or		
{ Spanish.....	{ as in first term,	2
History	as in first term,	3
Geometry.....	Loomis, Davies' <i>Legendre</i> ,	2
Plane Trigonometry and Mensuration.	{ Docharty, Loomis' <i>Logarithms</i> , { Compton's <i>Manual</i> ,	3
Shades, Shadows and Perspective.....		4
Zoölogy.....	as in first term,	2
Compositions.		

SOPHOMORE CLASS.

THIRD YEAR—FIRST TERM.

English Literature.....	Shaw, Clark's <i>Elements</i> ,	2
Rhetoric.....	Bain's <i>Manual</i> ,	2
Logic.....	Jevons,	1
French { Roemer's <i>Cours de Lecture</i> , Vols. I, II; Robertson's <i>Grammar</i> , { Sadler's <i>Versions</i> , Roemer's <i>French Idioms</i> ,		2
{ German.....	Eysenbach's <i>Grammar</i> , Whitney's <i>Reader</i> , { Iriarte's <i>Fables</i> , Ollendorff, Roemer's <i>Reader</i> , { Morales' <i>Reader</i> ,	3
or		
{ Spanish.....		
History	Thompson's <i>England</i> ,	2
Spherical Trigonometry, Surveying and Navigation.....	Docharty,	3
Free-hand Drawing—Course of Ornament.....		3
Chemistry	Clowes,	2
Compositions and Declamations.		

THIRD YEAR—SECOND TERM.

	Hours per week.
English Literature.....	<i>as in first term,</i> 3
Rhetoric.....	<i>as in first term,</i> 2
Logic.....	<i>as in first term,</i> 1
French.....	<i>as in first term,</i> 2
{ German.....	{ <i>as in first term,</i>
{ or.....	}
{ Spanish.....	{ <i>as in first term,</i>
History.....	<i>as in first term,</i> 2
Analytical Geometry.....	<i>Peck,</i> 3
Drawing and Study of the Antique.....	3
Chemistry	<i>as in first term,</i> 1
Compositions and Declamations.	

JUNIOR CLASS.

FOURTH YEAR—FIRST TERM.

English Language and Literature, Poetry.....	{ <i>Brooke, Shaw and Printed Selections,</i>	2
{ German.....	{ <i>Eysenbach's Grammar, Masius' Reader,</i>	5
{ or.....	}	
{ Spanish.....	{ <i>Moratin, Don Quixote, Roemer's Reader,</i>	5
Political Science (Lectures).....	{ <i>Cooley's and Kent's Constitutional Law,</i>	3
	{ <i>Woolsey's International Law,</i>	
Differential and Integral Calculus.....	<i>Peck,</i>	3
Chemical Physics.....	<i>Pynchon,</i>	2
History (Lectures).....	<i>Eliot's History of the U. S.,</i>	1
Acoustics and Optics and Heat (Lectures).....	<i>Bartlett,</i>	3
Anthropology (Lectures).....		1
Original Declamations.		

FOURTH YEAR—SECOND TERM.

English Language and Literature, Prose.....	<i>as in first term,</i>	2
{ German.....	<i>Eysenbach's Grammar, Wallenstein,</i>	5
{ or.....	}	
{ Spanish.....	<i>as in first term,</i>	5
Political Economy (Lectures).....	<i>Walker's Political Economy,</i>	3
Differential and Integral Calculus.....	<i>as in first term,</i>	3
Chemical Physics,.....	<i>as in first term,</i>	2
History.....	<i>as in first term,</i>	1
Acoustics and Optics and Heat.....	<i>as in first term,</i>	3
Anthropology.....	<i>as in first term,</i>	1
Original Declamations.		

SENIOR CLASS.

FIFTH YEAR.—FIRST TERM.

		Hours per week.
{ Spanish.....	{ <i>Ollendorff's Grammar, Butler's Phrases, Iriarte's Fables, Roemer's Reader,</i>	
or	}	
{ German.....	{ <i>Glaubensklee's Grammar, Oltrogge's Reader, Herbermann's Sallust,</i>	5
or	}	
{ Latin....	{ <i>Latin Grammar, Harkness' Cæsar, Leighton's Lessons, Chace's Cicero, Frieze's Virgil's Æneid,</i>	
{ Psychology (Lectures)	<i>Janes' Human Psychology,</i>	4
{ Pedagogics.....	<i>as in Classical Course,</i>	
Chemistry.....	<i>Bloxam, Clowes,</i>	3
Mechanics and Astronomy.....	<i>Bartlett,</i>	5
Geology, Palæontology and Mineralogy (Lectures).....	<i>Dana,</i>	1
Æsthetics and the History of Art (Lectures).....		1
*French or German.....		1
Original Declamations.		

FIFTH YEAR—SECOND TERM.

{ Spanish.....		}	as in first term,	5
or				
German.....				
or				
Latin.....				
Psychology.....	<i>as in first term,</i>			4
Chemistry.....	<i>as in first term,</i>			3
Mechanics and Astronomy.....	<i>as in first time,</i>			5
Geology and Palæontology.....	<i>as in first term,</i>			1
Æsthetics and the History of Art.....	<i>as in first term,</i>			1
French or German.....				1
Pedagogics.....	<i>as in Classical Course,</i>			
Original Declamations.				

* In the Senior year the students of the Scientific Course may, at their option, have one lesson a week in French, or in the second modern language.

THREE YEARS MECHANICAL COURSE.

FIRST YEAR.

		Hours per week.
{ French.....	<i>Vannier, Roemer's Cours de Lecture Vol. I,</i>	
or	<i>Roemer's Polyglot Reader,</i>	
German.....	<i>Henn's Ahn,</i>	5
or		
Spanish... <i>Ollendorff's Grammar, Morales' Reader, Butler's Phrases,</i>		
Mathematics..... <i>Davies' Legendre, Wentworth's Algebra,</i>		3
English.....{ <i>Elements of Punctuation, Figures and Versification,</i>		
	<i>and Short Poetical Selections,</i>	3

	Hours per week.
Physics (Lectures).....	<i>Cooley,</i> 2
Free-hand Drawing.....	3
{ Workshop.....	} 4
or	
{ Physical Geography and Commercial Products.....(Dept. Nat. Hist.)}	

SECOND YEAR.

{ French.....	<i>as in first year,</i>
or	
German.....	<i>Eysenbach's Grammar, Bremen Reader,</i>
or	
Spanish.....	<i>as in first year,</i>
Mathematics.....	<i>Loomis' Algebra, Davies' Legendre,</i>
English Synonyms.....	<i>Graham,</i>
Chemistry.....	<i>Clowes, Bloxam,</i>
Drawing.....	3
{ Workshop.....	} 4
or	
{ Commercial Products.....	} 4
	<i>Dept. Nat. Hist.... 2,</i>
	<i>Chemistry.... 2,</i>

THIRD YEAR.

A Second Modern Language.....	5
English.....	<i>Shaw, Bain's Rhetoric,</i>
Algebra, Geometry, Plane Trigo-	} 3
nometry and Mensuration.....	} 3
{ <i>Loomis' Algebra, Davies' Legendre,</i>	
<i>Docharty's Trigonometry, Loomis'</i>	
{ <i>Logarithms....</i>	
{ Chemistry.....	} 3
or	
{ Commercial Products.....	} 3
Physics.....	<i>Pynchon,</i>
{ Workshop.....	} 4
or	
{ History and Political Economy.....	} 4
<i>Freeman, M. G. Fawcett,</i>	

DEPARTMENTS OF STUDY.

The following statements are intended to explain the ground gone over in the several departments and the methods pursued.

ENGLISH LANGUAGE AND LITERATURE.

In the Sub-Freshman year, the students are trained in the construction of the English sentence, including Punctuation. The text-book used is *Abbott's "How to Write Clearly."* A number of

poetical extracts are memorized after thorough explanation and analysis.

The one hour a week which is allotted to this department in the Freshman year is devoted to the history and character of the English Language, *Clark's Elements* being the guide.

In both terms of the Sophomore Class the history of English Literature is pursued, with *Shaw* as a text-book. *Bain's Rhetoric* is also studied throughout the year.

During the Junior year the study of the English Language and Literature is continued. The chief writers are examined in groups, and the principles of rhetoric learned the previous year are applied critically.

Compositions are required from the students of the Senior, Junior and Sophomore classes, and are examined by the Professor himself and by different instructors under his supervision.

LATIN LANGUAGE AND LITERATURE.

This department comprises a longer and a shorter course. The five years' course begins, in the Sub-Freshman class, with the elements of the language, and includes the authors generally studied in colleges. That the students of this College are enabled to cover so much ground in five years, is due to several causes. In the first place, they begin the study at a much more advanced age than boys in classical preparatory schools. In the next place, considerable time is devoted to it in the two highest classes, where in many colleges it disappears wholly from the plan of studies. Again, the training proceeds upon a uniform method from first to last. Lastly, the thoroughness of the College examinations secures classes of nearly uniform acquirements, so that the progress of the class is not retarded by the presence of ill-prepared students.

As the object of all good teaching is to make the scholar independent of the teacher, the department aims, above all else, to impart to the students correct methods. Hence two years are devoted wholly to the study of the prose-writers on which the syntax is based (*Cæsar, Cicero, Sallust*). Only when the students are able to feel a deviation from the rules there laid down do they take up *Virgil* and *Horace*, and the ante-classic and post-classic

writers. To keep before them the ideal of classic prose, some of *Cicero's writings* are read in the Junior and Senior years. To make the study a means of acquiring a more thorough command of the mother tongue, idiomatic translation is insisted on. Whilst grammatical construction is everywhere carefully explained, care is taken that the scholar shall not forget that, in every literature, language is but the dress of thought. Hence the subject matter is explained thoroughly and illustrated by reference to history, mythology, art, social and political antiquities, law and etymology.

A course of one year is open to such of the Scientific Seniors as elect it. Their previous language studies enable them to make rapid progress. They read selections from *Cæsar* and *Sallust*, an oration of *Cicero* and a book of *Virgil*.

GREEK LANGUAGE AND LITERATURE.

The study of Greek is begun in the Freshman year. The students learn the paradigms, the orthography, and the general rules of syntax, complete a course of fifty-five lessons in *White's Lessons in Greek*, and read two chapters of the first book of the *Anabasis*.

In the Sophomore year Etymology and the general rules of Syntax are thoroughly reviewed and the details studied. There are weekly exercises in the elements of Greek prose composition. Selected passages are read in the first four books of the *Anabasis*, the *Memorabilia* and a dialogue of *Plato*; about fifty pages in all. In the first the attention of the students is directed to the historical and geographical allusions, and in the latter, in addition to these, to the doctrines and opinions propounded. During this year a parallel is drawn between the Greek and Latin syntax, thereby greatly aiding the student; and the difference of the English idioms dwelt upon.

In the Junior year the exercises in composition are continued. Attention is directed to the formation of words. Either three popular orations of Demosthenes or selections from the *De Corona* are read, with attention to history and geography, and a critical analysis of the orator's style. About two books of either the *Iliad* or the *Odyssey* are read, attention being given to the scansion and Homeric syntax and dialect; and the Homeric question is presented.

The Seniors read selections from Herodotus and Thucydides, accompanied with criticism of the styles and short lectures on the historical episodes discussed. Also there are read portions of a tragedy, and an entire comedy. Lectures are given on the drama and theatre, and on the Greek Language and Literature.

FRENCH LANGUAGE AND LITERATURE.

In the Scientific course, French is studied by all the students during three years, and optionally by some a fourth year.

In the first term of the Sub-Freshman year, the course is merely practical, and little attention is paid to the grammar. To this the student is introduced more particularly in the second term, during which the exercises include written translations of easy French narratives and the construction of French sentences according to grammatical rules.

In the Freshman year, the work consists, *first*, of oral translation from the French, based upon logical and grammatical analysis, and aiming at the idiomatic rendering into English of the foreign text; *second*, of retranslation and phraseological exercises, both by imitation and by application of the grammar.

In the Sophomore year, the time is devoted, *first*, to the written translation of English selections into French; *second*, to the reading of passages from modern novels and plays; *third*, to giving oral and written *résumés* of these passages.

In the optional Senior course of one hour weekly, some short work of modern prose is read critically, and a series of lectures is delivered on the history of the French language and of the Norman-French in England.

For students of the Classical course who elect French in the Senior year, the course is so modified as to apply to advantage their previous training, especially their knowledge of Latin.

The students in the Mechanical division follow the course above laid down for the Scientific students with appropriate modifications.

The text-books used in this department are *Robertson's Method* and the Professor's *Cours de Lecture, Etude Raisonnée, Contes et Mélanges* and *Polyglot Reader*.

GERMAN LANGUAGE AND LITERATURE.

Eysenbach's Grammar is introduced at the beginning of the Freshman year—during which it is the only book put into the students' hands—continued at the rate of one lesson a week through the Sophomore year, and of two lessons a week through the Junior year, at the close of which it is completed. In the Sophomore year, and the first term of the Junior year, selections in prose and verse are read ; and in the second term of the Junior year one of Schiller's tragedies. Those students who choose to continue in this department through the Senior year read a comedy, a short novel, or something of Goethe's, and a scientific essay ; they are exercised in composition and conversation.

In the one year Senior course, also, the work proceeds in the directions above stated ; but, of necessity, is less extended.

In the Mechanical and Commercial classes the work is begun by the study of *Henn's Ahn* ; in the second year a Reader is added ; the pupils are made acquainted with technical terms and business forms ; and a special effort is made to get them to speak.

In all the courses poetry is memorized, and prose is so learnt that the students can reproduce the German when the teacher gives the translation.

SPANISH LANGUAGE AND LITERATURE.

The study of the Spanish language and literature is carried on in all three courses—the Classical, the Scientific, and the Mechanical.

The Scientific students begin Spanish in the Freshman year. The elements of the language are acquired by the study of selections from *Butler's Phrase Book*, and the reading of selections in prose and verse from *Iriarte* and *Morales' Reader*.

In the Sophomore year, *Quintana's Lives* are read, exercises in dictation are added, and *Sales' Grammar* and *Pizaro's Phrases* are issued.

The Juniors review the grammar by the study of Sales' work ; they translate Moratin's comedy, *El si de las Niñas*, and selections from *Don Quijote* ; make oral and written translations of English selections of various styles ; write Spanish compositions ; and study Spanish versification and literature.

The work of the Classical students in the Senior class does not differ materially from that outlined above, except as it is affected by the shortness of the course; which is, however, in a degree compensated for by the greater maturity and better preparation by the class.

Spanish is also taught in the three years Mechanical course. The instruction is in the main the same as in the Scientific course; but it is also adapted to the special wants of the students.

In all the classes practical exercises in dictation, translation, analysis, composition and conversation are considered of great importance.

HISTORY.

The History course extends through the Freshman, Sophomore and Junior years. The Freshman class study *Freeman's General Sketch*, completing and reviewing the book, with map illustrations and exercises.

This general view of the history of Europe is succeeded, in the Sophomore Class, by the thorough study of English history. *Thompson's History* is taken as the guide, but the professor adds largely, by explanation and lecture, to the matter contained in the text-book.

In the Junior year lectures are delivered upon American topics—the aim of the course being not only to extend the student's knowledge in this field, but also to lead him into critical and comprehensive methods of studying the history of his own country. The important events from the period of discovery to the present times are examined mainly with reference to their causes and influence, while due attention is paid to institutional history. Topics such as the following are treated: The gradual unfolding of the New World to the Old; the struggle for possession here by European powers; Colonial life and tendencies; the growth of liberty and of local self-government, involving the relation of American history to English; the Revolution; the new order of things; history of American politics, etc. Students are called upon to discuss the subjects in the class-room, where they also become familiar with the standard and, as far as possible, original

authorities on American history. *Eliot's History of the United States* is used as a reference-book.

The Historical Cabinet contains a collection of electrotypes of nearly four hundred of the finest ancient coins in the British Museum; the obverse and the reverse of each coin being shown. The arrangement exhibits, chronologically and geographically, the history of coinage from 700 b. c. to the Christian era. An additional section, one of a small number yet seen in the United States, exhibits the most famous medallions struck from A. D. 1 to 217. The whole collection is the gift of the class of '75.

PHILOSOPHY.

The studies in this department are commenced in the Sophomore year. Logic, deductive and inductive, is then studied, as a discipline preparatory to the whole course. *Jevons' Lessons* is used as a text-book, and the students are taught to practically apply logical principles by means of numerous exercises, written and oral.

The philosophical studies of the Junior year are in the field of political and social science. The first term is devoted to political science. A course of lectures is given, indicating the foundations of law and government in human nature, tracing the growth of law and governmental forms and the development of the modern constitutional state, and discussing questions in the philosophy of government and legislation. American constitutional law is studied in *Cooley's* and *Kent's* expositions, with comparison of our own with other systems. A brief view of international law is given with the aid of *Woolsey's* manual. In the second term economic science is taken up; the intimate connection of the economic with the political structure and development of society having already been considered, the study continues to be one of social development, but in its economic phase. Walker's text-book is used, with extended comments, and lectures are given on special topics, such as the money system of the United States. U. S. Finance Reports have been furnished for study.

The Senior year studies are Psychology, Ethics, and History of Philosophy. The principles of Pedagogics, as based in psychol-

ogy, and its history as connected with that of philosophy, have hitherto been discussed by the professor of philosophy, and will now be more systematically treated in a brief course on theory of teaching (methods of teaching being treated, in the second term, by another member of the faculty).

The instruction of the year is chiefly by lectures; in connection with which, however, are used Janes' *Human Psychology* and Elmendorf's *Outlines of the History of Philosophy*. A limited number of several standard authors is also furnished the students for parallel reading and reference. In Psychology, the aim is to present a comprehensive descriptive view of the phenomena and laws of mental action, while so suggesting the philosophical questions involved as to make the study lead up to philosophy. The views of different schools on controverted points are noticed, and attention is given to physiological psychology. In the History of Philosophy, by tracing the steps in the historic development of speculative thought, also noting their relations to the general development of mankind, it is sought to enable the student to enter more intelligently into the significance and merits of the philosophical systems and discussions of the present time, some of which are, so far as time allows, analytically and critically considered.

Theses on assigned topics in the course are prepared and discussed by the students during the Junior and Senior years.

The study of Ethics is hereafter to be pursued in the Senior year, in connection with the history of philosophy.

MATHEMATICS.

The Sub-Freshman Class study Wentworth's *Algebra* from the beginning to Arithmetical Progression, and Davies' *Legendre* through the fourth book, with additional problems and theorems from the appendix and elsewhere.

The Freshman Class complete the Geometry; they study Mensuration and Plane Trigonometry, using Docharty's *Treatise* as a text-book, and higher Algebra, including the theory of Logarithms from Loomis's *Treatise*; and are practiced in logarithmic computation, using Compton's *Manual*.

In the first term the Sophomore Class go through *Docharty's Spherical Trigonometry, Surveying and Navigation*, and in the second term, *Peck's Analytical Geometry*, embracing the Geometry of Three Dimensions as far as Surfaces of Revolution.

Mathematics is not obligatory upon Classical students beyond the Sophomore year; but such as may elect to pursue the study join the Scientific students in the study of Calculus, which is the work of the Junior year. *Peck's Treatise* is used as a text-book, and is completed as far as the Applications to Mechanics and Astronomy.

The students of the Mechanical and Commercial courses take, in their first year, four books of *Davies' Legendre* and as much of *Wentworth's Algebra* as the time given will enable the class to complete. In the second year the Algebra and Geometry are both continued, and as many practical construction exercises in Geometry are given as the time will allow. The course in the third year includes further exercises in Geometry, and also Plane Trigonometry and Mensuration.

APPLIED MATHEMATICS.

In the Scientific course the studies in the Pure and Applied Mathematics are designed to afford the student such intellectual training, and such knowledge of Mathematics, Mathematical Physics, Mechanics and Astronomy, as to materially lessen the time that will be required for the study of a specialty in any of the schools of Civil, Mechanical or Mining Engineering. A graduate of good standing in the Scientific course will be able to master the studies pursued in such schools in two years or less.

In the Junior year, while the student is acquiring in the department of Pure Mathematics the knowledge of the Calculus necessary for the study of Analytical Mechanics, he attends recitations and lectures in Acoustics and Optics, only such elementary mechanical principals being taught as are necessary to the understanding of these subjects. In the Senior year *Bartlett's Analytical Mechanics* is studied during the first term. Much additional matter is given in the way of illustrations and mechanical problems, to enable the student to apply the principles studied to

practical ends. In the second term the subject pursued is Spherical Astronomy. The endeavor is made to show how the science has grown up, how its discoveries have been made, how it explains the phenomena of the heavens ; to teach the general principles of the adjustment and use of instruments, and the methods of making and recording observations, and the applications of astronomy to the uses of the navigator and the surveyor.

The scope of instruction in the Classical course is less extended. All that is sought is to give a general idea of the principles of Mechanics, Acoustics, Optics and Astronomy, with very little mathematical analysis. Of the four hours per week allotted, in the Junior year, to this department in this course, three are generally given to lectures and one to recitation.

The Post-graduate course in Civil Engineering extends over a period of two years, and is open to students of special excellence in the Scientific course. It embraces a thorough course in the principles of engineering construction, the strength of materials, the theory of roofs and bridges, the operations of surveying, the adjustment and use of instruments, engineering and topographical drawing, and the preparation of plans, specifications and estimates. The students are exercised in field work, partly under the direction of the Professor and partly in connection with engineering works which may be in progress in the vicinity.

CHEMISTRY AND PHYSICS.

The instruction in Chemistry is divided into an elementary and advanced grade and a course on Commercial Products.

The first is open to the students of the Sophomore Class and of the second year of the Mechanical course. Two hours a week are spent in the large Laboratory recently erected. *Clowes' Practical Chemistry* is the text-book followed, and the students are provided with all the necessary apparatus to perform the experiments described. Manipulation of the gases is succeeded by a complete course in qualitative analysis.

The advanced grade is for the students of the Senior Class and of the third year of the Mechanical course. Three hours a week are given to the study, one lecture on General Chemistry, and

two hours in the Laboratory. *Bloxam's* is used as a text-book of Chemistry, while *Clowes' Practical Chemistry* serves to complete the study of qualitative analysis. Through the study of Chemical Physics described below, the students of the advanced Chemical course are enabled to make use of apparatus essential to the thorough study of General Chemistry. In addition to the problems in qualitative analysis and chemical physics, the advanced grade provides for instruction in the outlines of Applied Chemistry, and of volumetric and quantitative analysis.

The course on Commercial Products is open to the students of the second and third years of the Commercial Class. It consists of two hours' lecture and two hours' laboratory per week during the second year, and five hours the third. These five hours are divided between Chemistry (3) and Physics (2), as described for the students pursuing the other courses. The chemical lectures (two per week) are intended to impart a knowledge of general Chemistry, with special reference to manufacturing processes and the raw products used in the various industries.

During the first term the laboratory work is essentially that followed by the students of the other classes. When the students have acquired sufficient skill in manipulation, their work is directed to practical tests for determining the character and quality of the goods most frequently met with in the markets of the world. In the third year the students of this class join those of the other courses in the study of Chemical Physics, while they continue their special course in Chemistry.

The equipment of the Laboratory is very complete, and its arrangement and that of the desks offer many facilities. The Lecture-room, which adjoins the Laboratory, is provided with all the necessary conveniences for lecture illustration. There is an extensive collection of the most important chemical elements, and their compounds; also a collection of the ores and other natural specimens illustrating the chief forms in which the elements occur. Both these collections receive constant additions. The College now owns one of the most extensive and valuable sets of charts in the country, made by draughtsmen specially employed. The Preparation Laboratory contains a collection of numerous chemical products, forming a Museum of Manufactures.

The subjects of Heat, Light and Electricity, and such other

parts of Physics as have a direct bearing on Chemistry, are also taught in this department.

Two lectures are given each week on general experimental physics to the students of the Sub-Freshman Class. These lectures are very fully illustrated by experiments and charts. The students are required to take notes, and are marked upon the correctness and fullness of the same. *Cooley's Physics* is given as a text-book for home study. Many simple experiments, capable of repetition at home are presented, and the advice given to the students to construct apparatus and make experiments is found to be followed in many instances.

The students of the Junior Class and of the third year of the Mechanical course listen to one lecture a week, and have one hour in the Laboratory devoted to study of themes bearing either upon the generation of the forces of nature, or of those closely allied to the thorough comprehension of Chemical Physics.

The Cabinet of Physical Apparatus is now well provided with instruments, having received large additions during the past two years. A special Laboratory for the manipulation of the apparatus adjoins the one used for Chemistry. Besides this, there is a Balance-room, which contains some fine instruments. A Dark-room serves for demonstration in the use of the Spectroscope and Polariscopic and in Photography. There is also a Photo-metric room. The Photometer is arranged for the comparison of two gases as well as for the determination of the candle-power of one. The College dynamo-machines, three in number, supply the electric currents necessary for experimentation and lantern projection.

Pynchon's Chemical Physics is used as the text-book for the advanced grade. Notes must be taken of the lectures, and also of the experiments performed in the Laboratory, and reports from these submitted.

NATURAL HISTORY.

The arrangement of the studies in this department is as follows:

SUB-FRESHMAN—Botany.	Two hours per week.	Text-book— <i>Kellerman</i> .
FRESHMAN—Zoölogy.	Two hours per week.	Text-book (<i>Tenney</i>) and Lectures.
JUNIOR—Anthropology.	One hour per week.	Lectures.
SENIOR—{ Mineralogy, Palæontology, Geology.	One hour per week.	Text-book (<i>Dana</i>) and Lectures.

As the object of the instruction is to teach the students to observe carefully, to record accurately—to know the thing *itself*—the class-room work is made, as far as possible, practical.

The course is essentially a *biological* one. The general relations of the inorganic and organic worlds, the phenomena of life, and the structure and life-history of typical plants and animals are taught.

A good museum furnishes a great part of the material needed for illustration and study. Mounted specimens, photographs and dissections prepared in the College are being constantly added.

In the three years' course, the subject of commercial products embraces the study of raw and manufactured products. The former belongs to the Department of Natural History, and divides itself into four parts, viz :

1st. The consideration of raw materials from the mineral kingdom ; as metals, ores, coal, petroleum, etc.

2d. Of those from the vegetable kingdom ; as grain, timber, textile fabrics, tea, coffee, etc.

3d. Of those from the animal kingdom ; as silk, wool, fur, hides, meat, etc.

4th. The consideration of the sources of supply and lines of conveyance, or what is generally known as "Commercial Geography."

The *first* division of the subject is taught practically, by the examination of the things themselves.

The *second* division, or "Economic Botany," begins with the study of the relations of the vegetable and mineral kingdoms, and of the nutrition and reproduction of plants. This is followed by the study of their parts, their uses and products.

The *third* division, or "Economic Zoölogy," is taught in the same manner as the first and second.

A half-term of thirty-two lessons is assigned to each part.

MUSEUM OF NATURAL HISTORY.

The collections contain 6,000 specimens : 550 of plants, 250 of vertebrata, 1,600 of invertebrata, 2,000 of minerals, and 1,600 of minerals, rocks and fossils.

A number of geological and mineralogical specimens have been

added to the collection during the past year, and many objects for instruction in the Collegiate and Commercial courses. For these the necessary case-room has been provided.

In addition to the material purchased by the College, the following gifts have been made:

1. Birds' Eggs (Collection of), . . . Mr. Bashford Dean.
2. Brush-making Materials, . . . Messrs. F. W. Devoe & Co.
3. Conchological Specimens, . . . Smithsonian Institute.
4. " " " Mr. Townsend Harris.
5. Corals of Florida, (Collection of,) Lieut. Col. Walter McFarland, U. S. A.
6. Craniological Specimens, . . . Smithsonian Institute.
7. Entomological Collection, . . . Mr. Bashford Dean.
8. Grain (Specimens of), . . . New York Produce Exchange.
9. Leathers (Fancy), . . . Messrs. Tiffany & Co.
10. Linens, Silks, Furs, Cottons, . . . " E. J. Denning & Co.
11. Miscellaneous Textile Fabrics, . . . " Clafin & Co.
12. Unios of the United States, . . Dr. Isaac Lea, Philadelphia.
13. Vegetable Fibres, . . . Mr. J. H. Hollis, Cotton Exchange.
14. Woods (Foreign and Fancy), . . Messrs. J. L. Daniels & Co.
15. Woolen Fabrics, . . . " Arnold, Constable & Co.
16. Wools, . . . " Mangers & Avery.
17. Fossils of S. Carolina (Collection of) Mr. Wm. T. Rodenbach.
18. S. American Woods (60 Specimens) Messrs. T. D. & L. Hirsch.
19. Fossils and Reptiles, . . . Professor S. Woolf.
20. Birds of State of N. Y. (100 Spec.) Mr. Louis A. Zerega.

DESCRIPTIVE GEOMETRY AND DRAWING.

The Sub-Freshman Class is practiced in drawing in outline from the flat and the round; in surface shading in crayon or pencil, and in elementary perspective. The students draw geometrical forms, architectural and other ornaments of various styles, and the human head.

The Freshman Class is instructed in Descriptive Geometry. No text-book is used. The instructor lectures and demonstrates at the blackboard; each student solves every problem graphically in his drawing-book. The subject is carried through Sections and Intersections, Tangency and Development, and is applied to carpentry, machinery and architecture. Practice in tinting and in drawing from actual models of machinery is given from time to time. In the second term, the subjects pursued are Shades and Shadows, and Perspective. Shadows are determined in artificial and natural light; the principles of reflection are taught. Application is made to mechanical, architectural and artistic drawing.

In the Sophomore year, the students draw from the Cast, either ornaments or organic forms, according to individual ability; they shade *à deux crayons*, in charcoal, etc.

The professor delivers to the Senior Class a series of lectures on *Aesthetics*, and the History of Art and the several arts.

The casts belonging to this department are very fine, most of them having been taken from early molds. The collection contains many beautiful examples of the Phidian era, the most notable being a large number from the frieze of the Parthenon, and a few of the best-preserved metopes; the heroic statues of Theseus and Cephisus, a caryatid from the Erechtheion. These copies of the Elgin Marbles were given by Charles M. Leupp, Esq. There are, furthermore, the busts of Jupiter from Otricoli, the Venus of Milo, the Venus of Arles, Juno, the Apollo Belvedere, the Belvedere Torso, and examples of the work of Michael Angelo, Cellini and Thorwaldsen.

A collection of about 275 photographs, the gift of the Class of '75, framed and hung in the halls of the College, illustrates the architecture and sculpture of the Greeks and Romans, early Christian and renaissance painting in Italy, and a number of the most noted buildings of all European countries. Each print is marked with the name, the date of production and the present location of the subject represented.

THE LIBRARY.

The Library of the College contains 23,869 volumes. These are distributed as follows:

Philosophy,	972	Greek Literature,	610
Theology,	912	Roman "	698
Mathematics,	378	French "	681
Science,	2,867	Sp. and Italian Literature,	273
History,	4,620	German Literature,	913
Biography,	1,552	Philology and Linguistics,	735
Voyages,	1,055	Works of Reference,	574
Art,	830	Bibliography,	171
Law,	360		
English Literature,	2,982	Total,	23,869
Periodicals,	2,686		

Books may be taken from the library by the students as well as the instructors; by the Alumni upon a deposit of ten dollars; and by the teachers of the common schools of the city.

The books have been purchased with the money apportioned to the College, while known as the Free Academy, as its share of the Literature Fund of the State; from the income of \$5,000 bequeathed by Mr. Ephraim Holbrook; from the income of \$30,000 bequeathed by Mr. Seth M. Grosvenor; and with money which has at various times been appropriated by the Board of Trustees. Many books have been presented by publishers and others.

THE WORKSHOP.

Connected with the College is a workshop, in which instruction is given in the elements of mechanical manipulation. The course of workshop instruction extends over three years. In the first year the use of wood-working tools is taught. The student becomes acquainted with all the ordinary wood-working tools, and learns to fashion wood exactly to any required form and dimensions; to make joints of all kinds; to veneer, finish and polish. In the second year the metal-working tools are used, and the arts of forging, chipping, filing, soldering, finishing and lacquering are learned. In the third year the working of metals is carried further; the use of the lathe in turning wood and metal is learned, the slide rest and the engine lathe are introduced, and the use of these tools in the making of screws, gear-wheels and other parts of machinery is taught.

The object of the entire course is to furnish the student with such manual skill, and such a general knowledge of the tools and methods of working in the arts in which wood and metal are employed, as will give him an intelligent comprehension of any mechanical operation or device, and enable him, with proper study and practice, to master any handicraft or mechanical profession to which his attention may be directed in after-life.

The instruction in the mechanical arts is given either in the regular College course or in a special mechanical course of three years. In the first case the student takes the workshop instruction and practice after College hours, and in addition to his College studies. In the second, which is designed for those who are unable to take the full College course, his time is about equally divided between academic studies on the one hand, and drawing and

workshop practice on the other. The superior training in mathematics and literature obtained in the College course, makes the first plan decidedly preferable for all who can pursue it, and it has been found, by experience, that the student, unless he is burdened with other work outside the College, is not in general overtaxed by taking the workshop instruction in addition to his College studies, since it imposes on him no work to be done at home, and actually serves as recreation and exercise.

The workshops are three in number. The first, for wood-working, has an area of 1,300 square feet, and contains fifteen double benches, with closets and tools for a class of thirty. The second, for forge and vise work, has an area of 820 square feet, and contains six Buffalo forges, twenty anvils, and two long benches with fifteen vises, and an assortment of forge and vise tools, and affords accommodation for a class of from fifteen to thirty students. The third, for lathe work, has an area of 720 square feet, and contains six grindstones, twenty-six lathes for wood and metal-working, four engine-lathes and a circular saw. The shops are illuminated by electric lamps, and the lathes and grindstones, as well as the dynamos which supply the light, and the ventilating fans, are driven by a steam-engine of twenty-five horse power.

DISCIPLINE.

Every student is expected to give serious attention to the work of the College, and to allow his fellows to do the same; not to disturb the order and quiet necessary in the class-room, nor to do anything derogatory to the dignity of an institution of learning. Violations of the rules of the College and of propriety are visited with punishment, which varies according to the gravity of the offense, from demerit-marks and formal admonition to suspension by direction of the President, and dismission by vote of the Faculty. No student is demerited without receiving notice of the fact and the reason. A student who has received 100 demerit-marks in one term, or 175 in one academic year, must leave the College.

EXAMINATIONS.

There are two examinations of all the students in all departments each year. The first is held at the close of the first term,

in January. It extends over a fortnight, and is really a rapid review of the studies of the term. It is conducted by means of oral recitation, and in accordance with the scheme of recitations pursued during the term. The difference lies mainly in the greater length of the daily lessons and the omission of explanations on the part of the instructor. If, upon the termination of this review, it appears to the Faculty that a student has fallen so far behind as to make it unprofitable for him to attempt to proceed, or to make him a drag upon his class, he is not allowed to continue with it. The second examination is held at the close of the second term, in June; it extends over eight working days. It is conducted mainly in writing, so that all the students in the class are tested at the same time and by the same tests. The results of the examination are carefully considered by the Faculty. Those students who have done but indifferently in all or many of the studies, and those also who are seriously deficient in several, and it may be in only one, are not advanced. They may, if their parents desire it, devote another year to the same division of the course; but no student is allowed to go over the same grade more than twice.

ALLOWANCE OF MARKS.

1. No student who is absent from any College exercise during the term, except as stated in Rule 3, shall receive any mark for the same, until he has given to the President a sufficient explanation of his absence, and to the Professor satisfactory evidence, *within one week after such absence*, of having performed the duty assigned for the time of his absence.
2. No marks shall be allowed for absence more than twice in any one term, nor for more than five consecutive days of absence in one term, except on a vote of the Faculty in each case.
3. For one day's absence in each term the President may, at his discretion, direct that a student shall be allowed his average mark for the fortnight in which such absence occurred.
4. In the Examination Review, marks may be allowed for absence of two days, and no more, if the student pass an examination in the work of the days of his absence.
5. A student absent from the Examination for Advancement,

for good cause, may be examined subsequently for the purpose of determining whether he shall be advanced or not. But no mark shall be given for such examination. At the close of the student's course, however, the Faculty may, on his application, allow for the examinations from which he was absent the average mark of the student in all the examinations in the same department.

MERIT ROLL.

The Merit Roll is made up immediately after the second examination, and is published once a year. On this roll each student is ranked according to his standing in his class, determined by his merit marks received for study and conduct during the two terms and at the examinations.

The Merit Roll maximum for each term in any subject is ascertained by multiplying the number of recitations a week in that subject by one hundred; one-half of this maximum is for the term work, and one-half for the examination.

The maximum of conduct for a term is two hundred, and the conduct-mark of each student is determined by deducting from such maximum all his demerit marks.

On the Merit Roll the students are classified as Highest, High, Good, and Low.

The student who has the greatest number of marks in his class ranks Highest.

Students rank High the total of whose marks, in study and conduct together, equals or exceeds eight-tenths of the maximum.

Students rank Good the total of whose marks equals or exceeds six-tenths of the maximum.

The remaining students rank Low.

A copy of the Merit Roll is sent to the parent or guardian of each student.

COMMENCEMENT.

The Commencement of the College is held on the Thursday preceding the first of July.

COMMENCEMENT HONORS.

1. Not more than six orations and dissertations shall be delivered by the students at Commencement.

2. No oration or dissertation shall occupy more than ten or less than seven minutes in its proper delivery.

3. The orators at Commencement shall be the first six members of the Graduating Class in rank, counting from the beginning of the Freshman year to the close of the Senior year.

4. The Valedictory oration shall be the first honor, and the Salutatory shall be the second ; the remaing honorary orations shall be numbered according to the rank of the students.

5. If any of these Honor-men, except the Valedictorian and the Salutatorian, have not received eight-tenths in Oratory (Composition and Delivery) during the Senior year, their names shall be entered on the programme, marked Excused, and suitable substitutes, in order of rank, shall be appointed.

6. When the student below the sixth rank is thus appointed, his oration shall be entered on the programme as a dissertation. The dissertations shall be numbered according to the rank of the students appointed to deliver them.

MEDALS AND PRIZES.

THE PELL MEDALS.

In 1849, Duncan C. Pell, Esq., by the gift of \$500, established a gold medal, to be awarded annually to the student who shall rank highest in all the studies of the year taken together ; and in 1856, the donor authorized the trustees of the fund to devote a portion of the income to the provision of a silver medal, to be given to the student who shall rank second.

Trustees of the Fund :

THE CHAIRMAN OF THE BOARD OF TRUSTEES OF THE COLLEGE.
THE PRESIDENT OF THE COLLEGE. THE HON. ABRAM S. HEWITT.

THE CROMWELL MEDALS.

In 1850, Charles T. Cromwell, Esq., by the gift of \$500, established a gold medal, to be awarded annually to the best scholar in

History and Belles-Lettres ; and in 1856, the donor authorized the provision of a silver medal for the second scholar.

Trustees of the Fund :

THE PRESIDENT OF THE COLLEGE.

THE PROFESSOR OF HISTORY. THE HON. STUYVESANT FISH.

THE WARD MEDALS.

In 1853, Augustus H. Ward, Esq., established twenty bronze medals, to be awarded annually, each for one of the studies appointed, to the student of most proficiency therein, provided he shall have regularly pursued such study for not less than two months of the collegiate year then closing ; a student gaining one medal not to be precluded from obtaining others at the same time or subsequently.

The subjects are : Chemistry, Natural History, Natural Philosophy, Philosophy, Political Science, English, Greek, Latin, French, Spanish, German, Oratory, Composition, Logic, Astronomy, History, Drawing, Algebra and Geometry, Descriptive Geometry, Hygiene.

Trustees of the Fund :

THE EXECUTIVE COMMITTEE OF THE BOARD OF TRUSTEES.

THE RIGGS MEDALS.

In 1864, Elisha Riggs, Esq., by the gift of \$1,000, established a gold medal, to be annually awarded to the author of the best English Prose Composition in the Senior Class, and a gold medal to be awarded to the author of the best English Prose Composition in the Junior Class; any surplus of income to be applied by the trustees to further, in any way they may think best, the design of the donor to stimulate the cultivation of English Composition in the College of the City of New York. The competition is open to all who have received not less than four-fifths of the maximum in English Composition from the beginning of the Junior year. The names of the competitors must be handed to the President on or before the second Monday in February. The essays must be handed in on the first Monday in June.

Trustees of the Fund:

THE PRESIDENT OF THE COLLEGE.

THE PROFESSOR OF HISTORY.

THE PROFESSOR OF THE ENGLISH LANGUAGE AND LITERATURE.

THE CLAFLIN MEDALS.

In 1871, John Claflin, Esq., by the gift of \$1,250, established two gold and two silver medals, to be awarded as follows :

A gold medal to the student of the Senior Class who shall pass the best competitive examination in Greek ; a gold medal to the student of the Junior Class who shall pass the best competitive examination in Latin ; a silver medal to the student of the Freshman Class concerning whom the Professor of Greek shall certify that he has made the greatest proficiency in that department ; and a silver medal to that student of the Freshman Class who shall receive a corresponding certificate from the Professor of Latin.

Trustees of the Fund:

THE PRESIDENT OF THE COLLEGE.

JAMES P. LOWREY, ESQ.

EUSTACE W. FISHER, M.D.

PRIZES FOR DECLAMATION.

PROSE.

In 1852, the President of the Board of Education offered a prize for excellence in public speaking, to be called the PRIZE OF THE PRESIDENT OF THE BOARD OF EDUCATION ; and the successive Presidents of the Board have continued it.

The six speakers contending for this prize are chosen by their classmates, two from each of the three higher classes. Only such students are eligible as have not received fifty demerit marks during the first term, or twenty-five during the second term preceding the day of the election. They speak selected pieces. The prize is awarded by a committee of gentlemen having no relation to the College, and selected by the donor.

POETRY.

Since 1855, a gentleman of this city has offered a "Prize to the best Declaimer of a Selected Poem," the competitors to be selected,

one from each of the three higher classes, by the students of said classes respectively ; the declamations to be delivered at the same time as the prose declamations, and the award to be made by the Committee selected to confer the prize in prose speaking.

The Prize Speaking is usually held on the Monday preceding Commencement. The successful Riggs essayists read their essays on the same occasion.

THE LOCKWOOD PRIZE.

Since 1857, George R. Lockwood, Esq., has offered an annual prize for the best translation from French into English. The translators contending for the prize are elected from and by the students in the three higher classes who have studied French in the College, two from each class. The translation is made after the summer examination, on a day appointed by the President, and within a given time, not exceeding three hours. The passage is selected by the Professor of French, and the translation is judged, with regard to the interpretation of the original text, by the Professor of French, and to the English diction by the Professor of English. The President and these two Professors form the Committee of Award.

THE KELLY PRIZES.

In 1868, James Kelly, Esq., by the gift of \$1,000, established two prizes. One prize is given to the best debater in the Literary Societies; three contestants being chosen by the Clonian Society, and three by the Phrenocosmian. The President of the Board of Trustees selects the subject and submits it to the Faculty for approval. The debate is held in the College Chapel during the week preceding Commencement.

The other prize is given to the member of either society who shall write the best critique on some work of English literature. The subject is announced before the Christmas vacation, and the essays must be handed in on the first Monday in June.

The judges of the debate are selected by the President of the Board of Trustees ; the judges of the essays are the President of

the College, the Professor of History and the Professor of the English Language and Literature.

Trustees of the Fund:

THE BOARD OF TRUSTEES OF THE COLLEGE.

THE BELDEN PRIZES.

In 1883, William Belden, Esq., by the gift of \$1,000, established prizes for excellence in Pure Mathematics. The nature of the prizes and the terms of their award are to be determined from time to time by the President of the College and the Professor of Pure Mathematics.

At present the following prizes are to be awarded annually on Commencement Day, in the Junior and Sophomore Classes :

1. A gold medal to the student in each class of greatest proficiency in the studies of the department during the year. This greatest proficiency is to be determined either from the marks for recitations and on examinations, or by a special competitive examination, as may in each case seem best to the trustees.

2. A silver medal to any other student, in either class, whose aggregate marks for recitations and on examinations shall reach ninety-five per cent. of the maximum.

Trustees of the Fund:

THE PRESIDENT OF THE COLLEGE.
THE PROFESSOR OF PURE MATHEMATICS.

THE F. W. DEVOE & CO. PRIZES.

In 1885, Messrs. F. W. Devoe & Co. offered two prizes, each to consist of a set of drawing instruments of the value of twenty-five dollars, for proficiency in the Mechanical Arts. They are to be awarded by a Committee, consisting of the President of the College, the Chairman of the Executive Committee of the Board of Trustees, and the Professor of Applied Mathematics, to the student of greatest merit in the first and second years respectively, of the Workshop course. Students of the Classical and Scientific courses, as well as students of the Mechanical course may compete.

The merits of the competitors are to be judged by the excellence and quickness of their work, and by the improvement made by them during the year.

CLASSICAL SCHOLARSHIP.

This College being, through the action of its officers and Alumni, associated with the following universities and colleges, viz.: Amherst, Brown, Columbia, Harvard, Johns Hopkins, Princeton, Wesleyan, Yale, in support of the American School of Classical Studies at Athens, the School is open to any properly qualified graduate of this College. Those desiring to avail themselves of this privilege should apply to the Professor of Greek for information and a certificate of scholarship.

DEGREES.

The degree of *Bachelor of Arts* is conferred on those students who have completed the Classical course; that of *Bachelor of Sciences* on those who have completed the Scientific course.

The Faculty recommends no student for a degree whose average standing in the studies of the Senior year has fallen below six-tenths of the maximum. Every member of the graduating class is required to write a composition for oral delivery, to be sent in four weeks before Commencement.

A Bachelor of Arts or of Sciences may be recommended for the degree of Master of Arts or of Sciences on the following conditions:

1. He shall, at the date of the Commencement at which the degree is to be conferred, have been graduated at least three years.
2. He shall have been engaged for at least two years in the study of some literary or scientific subject, and shall furnish, as evidence of such study, either the diploma of the college or school which he has attended, or a detailed statement of the subjects and books which he has studied.
3. He shall present to the Faculty, at least six weeks before the Commencement, a thesis, satisfactory both in matter and style, on some subject connected with his studies, accompanied by a declaration that such thesis is his own work.

THE ASSOCIATE ALUMNI.

The College has graduated in thirty-five classes, from 1853 to 1887, 1,239 men, of whom 1,107 are living. These are associated under the name of "The Associate Alumni of the College of the City of New York." The annual meeting is held on the day after Commencement, at the College building. The officers for the present year are :

<i>President,</i>	.	.	.	.	.	JAMES GODWIN, '58.
<i>Vice-President,</i>	.	.	.	.	.	RICHARD ROGERS BOWKER, '68.
<i>Secretary,</i>	.	.	.	.	.	RICHARD LELAND SWEEZY, '74.
<i>Treasurer,</i>	.	.	.	.	.	JAMES KNOX, '59.
<i>Historian,</i>	.	.	.	.	.	JOHN SHERMAN BATTELL, '73.

STUDENTS' AID FUND.

In 1857, the Associate Alumni established a fund for the purpose of assisting such students as might otherwise find difficulty in completing their collegiate course. This fund is maintained by contributions from the Alumni. The management of the fund is committed to five trustees, who loan, without interest, such sums as they think proper to deserving students; and neither the names of those to whom the loans are made, nor the amounts of the loans, are known to any but the trustees and the auditors of the fund.

The following are the present trustees, to whom application may be made :

CHARLES L. HOLT,	.	.	.	.	.	188 Front Street.
EVERETT P. WHEELER,	.	.	.	.	.	120 Broadway.
JOHN R. SIM,	.	.	.	.	.	At the College.
JOHN HARDY,	.	.	.	.	.	265 Broadway.
ALFRED G. COMPTON,	.	.	.	.	.	At the College.

LITERARY SOCIETIES.

Two Literary Societies, the Clonian and the Phrenocosmian, are connected with the College. They are devoted to the cultivation of the arts of composition, oratory and debate, and the promotion of friendly intercourse between students.

Weekly meetings are held during the collegiate year. The exercises consist of the reading of an essay and a selection, the delivery

of a declamation or an oration, and the debate of a question previously appointed. A magazine is also read at intervals, to which the members contribute, anonymously, articles of a lighter nature than the essays. The Clonian library, containing many valuable books, and the Phrenocosmian reading-room, where may be found the leading magazines and periodicals of the day, are in two of the side-rooms of the chapel, and are open to the members every afternoon of the College week.

COMMENCEMENT.

JUNE 23, 1887.

The award of medals and prizes was made according to the terms and conditions heretofore mentioned, and was as follows:

THE PELL MEDALS.

First,	FREDERICK MALLING PEDERSEN,	Sophomore
Second,	AUGUSTUS SMITH	Senior

THE CROMWELL MEDALS.

SOPHOMORE CLASS.

First,	FREDERICK M. PEDERSEN	
Second,	EZRA KETCHAM WATERBURY	
Third,	SAMUEL GOLDSTEIN	

Certificates of equal merit with Samuel Goldstein were awarded to Philip Goldstein and Livingston Schuyler, of the same class.

THE WARD MEDALS.

Chemistry,	THEODORE BAUMEISTER,	Senior
Natural History,	THEODORE E. LYON, JR.,	Senior
Natural Philosophy,	THEODORE BAUMEISTER,	Senior
Logic,	FREDERICK M. PEDERSEN,	Sophomore
Political Science,	SAMUEL W. DUNSCOMB, JR.,	Junior
English,	{ MASON CARNES, SAMUEL W. DUNSCOMB, JR., }	Junior
Greek,	GEORGE W. STAKE,	Senior
Latin,	AUGUSTUS SMITH,	Senior
French,	LEON J. BENOIT,	Sophomore
Spanish,	WILLIAM C. WIELAND,	Junior
German,	CHRISTIAN LAASE, JR.,	Junior
Oratory,	THEODORE BAUMEISTER,	Senior
Composition,	AUGUSTUS SMITH,	Senior
Philosophy,	HARRY EISING,	Senior

Astronomy,	THEODORE E. LYON, JR.,	Senoir
History,	FREDERICK M. PEDERSEN,	Sophomore
Drawing,	FREDERICK M. PEDERSEN,	Sophomore
Algebra and Geometry, . .	SAMUEL FRIEDWALD,	Sub-Freshman
Descriptive Geometry, . .	LOUIS DREYFUSS,	Freshman
Botany,	EDGAR M. VAN VLECK,	Sub-Freshman

The following students received certificates of equal merit with their classmates who received the medals, viz :

Political Science,	FREDERICK E. PERHAM,	Junior
Philosophy,	{ THEODORE BAUMEISTER, { GEORGE W. STAKE, }	Senior
Logic,	JULIUS PRINCE,	Sophomore
Spanish,	GEORGE W. STAKE,	Senior
Composition,	SEYMOUR P. KURZMAN,	Senior
Descriptive Geometry, . .	FRANK SCHLESINGER,	Freshman

THE RIGGS MEDALS.

SENIOR CLASS.

SUBJECT:—"The Silent Work of Civilization."

GEORGE W. STAKE.

Honorable mention was made of the essay by Theodore A. Wright, Jr., of the Senior Class.

JUNIOR CLASS.

Not awarded.

THE CLAFLIN MEDALS.

SENIOR CLASS.—GREEK.

GEORGE W. STAKE.

JUNIOR CLASS.—LATIN.

SAMUEL W. DUNSCOMB, JR.

FRESHMAN CLASS.

Greek,	LAWRENCE VEILLER
Latin,	JAMES WALLACE TOTTEN

THE PRIZES OF THE PRESIDENT OF THE BOARD OF EDUCATION.

PROSE DECLAMATION.

MONTAGUE LESSLER,	Junior
POETRY DECLAMATION.	

WILLIAM T. WOOD,	Sophomore
The Judges of the Prize Speaking were Messrs. Abraham R. Lawrence and Jared S. Babcock.	

THE LOCKWOOD PRIZE.

LEON JOSEPH BENOIT

Sophomore

THE KELLY PRIZES.

FOR THE BEST DEBATE. SUBJECT:—"Resolved, That United States Senators should be elected by direct vote of the people in each State."

EUGENE SONDEHIM, of the Clonian Society.

The Judges were Messrs. Joseph J. Little and William H. Hall, M. D.

FOR THE BEST CRITIQUE. Subject:—"The Professor at the Breakfast Table."

MASON CARNES, of the Phrenocosmian Society.

Honorable mention was made of the Essay by Henry George Schneider, of the Senior Class.

THE BELDEN PRIZES.

JUNIOR CLASS.

Gold Medal,	-	CHRISTIAN LAASE, JR.
Silver Medals,	{	CHARLES H. PARMLY
		FREDERICK E. PERHAM
		PLOWDON STEVENS, JR.
		GUSTAV R. TUSKA

SOPHOMORE CLASS.

Gold Medal,	-	FREDERICK M. PEDERSEN
Silver Medals,	{	JOHN J. KLETCHKA
		JULIUS PRINCE
		LIVINGSTON SCHUYLER
		EZRA K. WATERBURY

THE F. M. DEVOE & CO. PRIZES.

For Wood-working,	. . . . .	ARTHUR TIMMERMAN,	Freshman
For Metal-working,	. . . . .	JOSEPH N. EMLEY,	Sub-Freshman

HONORS.

The Honors at Commencement were :

First (Valedictorian),	. . . . .	THEODORE BAUMEISTER
Second (Salutatorian),	. . . . .	THEODORE E. LYON, JR.
Third,	. . . . .	LOUIS MAURICE JOSEPHTHAL
Fourth,	. . . . .	HENRY GEORGE SCHNEIDER
Fifth,	. . . . .	HARRY EISING
Sixth,	. . . . .	ROBERT FREDERICK SMITH
Special Honorary Oration	. . . . .	AUGUSTUS SMITH

Honorable mention was made of George William Stake, for having obtained over eighty-five per cent. of the maximum of marks from the beginning of the Freshman year to the end of the Senior.

DEGREES CONFERRED.

BACHELOR OF ARTS.

ADOLPH BARON,
EMANUEL BLUMENSTIEL,
THOMAS JOSEPH BRADLEY,
JOSEPH A. ELDER,
WILLIAM C. GUTH,
LEWIS M. F. HAASE,
GEORGE WILLIAM HUBBELL,
MEYER JARMULOWSKY,
SEYMOUR P. KURZMAN,

WILLIAM THOMAS McELVEEN,
FLOYD McEWEN,
JOHN F. E. McGuIRE,
ROBERT RUSSELL REQUA,
ABRAHAM ROSENTHAL,
VICENTE SERANO,
AUGUSTUS SMITH,
EUGENE SONDEHEIM,
GEORGE WILLIAM STAKE,

STEPHEN WRAY.

BACHELOR OF SCIENCES.

THEODORE BAUMEISTER,
FREDERICK ALBERT BERGHANE,
SAMUEL ROBERT DUNLOP,
HARRY EISING,
HARRY B. GRIFFITH,
JOHN W. HOWE,
HENRY EMILE ISELI,
WILLIAM H. JOHNS,
LOUIS MAURICE JOSEPHHAL,
THEODORE E. LYON, JR.,

PHILIP MEIROWITZ,
SAMSON D. OPPENHEIM,
WILLIAM JAMES O'SHEA,
THOMAS HENRY ROCHE,
BENNO ROSENWALD,
HENRY GEORGE SCHNEIDER,
ELI SCHREIER,
ROBERT FREDERICK SMITH,
FRANCIS ASBURY WINSLOW,
THEODORE ANTHONY WRIGHT, JR.

MASTER OF ARTS.

ALBERT B. CRISTY, A.B., '75.
FRANCIS J. A. TOREK, A.B., M.D., '80.
ALEXANDER H. MCKINNEY, A.B., '81.
WILLIAM S. WATSON, A.B., '82.
WILLIAM S. BALKEN, A.B., M.D., '83.
CORNELIUS G. COAKLEY, A. B., M.D., '84.
DAVID MEEKES MARVIN, A.B., M.D., '84.

COLLEGIATE CALENDAR.

1887-1888.

1887.

Sept. 15. Thursday.—Commencement of First Term.

Nov. 8. Tuesday.—Election Day.

Nov. 24. Thursday.—Thanksgiving Day.

Dec. 24. Saturday.—

WINTER VACATION.

1888.

Jan. 2. Monday.—

WINTER VACATION.

Jan. 16. Monday.—Review Examination commences.

Jan. 27. Friday.—Review Examination ends.

Jan. 30. Monday.—Commencement of Second Term

Feb. 22. Wednesday.—Washington's Birthday.

Mar. 30. Friday.—Good Friday.

April 28. Saturday.—

SPRING VACATION.

May 5. Saturday.—

SPRING VACATION.

May 23. Wednesday.—Second Term ends.

May 24, 25, 28, 29, 31.—Examination for Advancement

May 30, Wednesday.—Decoration Day.

June 1, 4, 5.—Examination for Admission.

June 7, 8.—Examination for Advancement.

June 15. Friday.—Kelly debate.

June 18. Monday.—Prize Speaking.

June 21. Thursday.—Commencement.

June 22. Friday.—

SUMMER VACATION.

Sept. 12. Wednesday.—

SUMMER VACATION.

Sept. 13. Thursday.—Commencement of First Term.

BOARD OF TRUSTEES.

NAME.	RESIDENCE.	PLACE OF BUSINESS.
Agnew, Mrs. Mary N.,	266 Madison Avenue.	
Bell, Isaac,	247 Fifth Avenue,	235 West Street.
Cole, William A.,	62 West 48th Street,	41 Broad Street.
Crary, Charles,	72 East 124th Street,	7 Beekman Street.
Dodge, Miss Grace H.,	262 Madison Avenue.	
Gallaway, Robert M.,	68 East 55th Street,	71 Broadway.
Guggenheimer, R.,	16 East 81st Street,	239 Broadway.
Holt, Charles L.,	117 West 130th Street,	188 Front Street.
Lummis, William,	35 East 30th Street,	3 Broad Street.
O'Brien, Miles M.,	240 East 60th Street,	140 Church Street.
Purdy, Samuel M.,	West Farms,	West Farms.
Schmitt, Henry,	29 Vandam Street,	229 Broadway.
Seligman, DeWitt J.,	328 West 58th Street.	
Simmons, J. Edward,	28 West 52d Street.	
Sprague, Henry L.,	330 West 23d Street,	146 Broadway.
Tamsen, Edward J. H.,	331 East 18th Street,	52 Avenue A.
Traud, Ferdinand,	1371 Franklin Avenue.	
Vermilye, Jacob D.,	4 West 51st Street,	42 Wall Street.
Webb, Alexander S.,	15 Lexington Avenue,	College.
Webb, H. Walter,	15 West 47th Street,	Vanderbilt Avenue.
Welch, W. J., M.D.,	211 Henry Street,	211 Henry Street.
Wood, William,	4 West 18th Street.	

Arthur McMullin, Secretary ; Office, Hall of the Board of Education.

Edward E. Van Saun, Assistant Secretary ; Office, Hall of the Board of Education.

OFFICERS OF THE COLLEGE.

Baralt, Luis A.,	Instructor,	101 West 86th Street.
Baumeister, John,	Tutor,	Newtown, L. I.
Cana, Robert W.,	Registrar,	274 West 25th Street.
Cherbuliez, David,	Tutor,	266 Willis Avenue.
Compton, Alfred G.,	Professor,	40 West 126th Street.
Dean, Bashford,	Tutor,	326 Riverdale Ave., Yonkers.
De Groot, James H.,	Assistant,	288 Summit Ave., J. C.
Doremus, Charles A.,	Tutor,	92 Lexington Avenue.
Doremus, R. Ogden,	Professor,	241 Madison Avenue.
Fabregou, Casimir,	Tutor,	48 West 125th Street.
Fiston, Ernest,	Tutor,	43 West 127th Street.
Fox, William,	Tutor,	319 East 17th Street.
Friedburg, L. Heinrich,	Instructor,	72 East 83d Street.
Herbermann, Charles G.,	Professor,	223 West 25th Street.
Hollerith, George C.,	Tutor,	130 East 93d Street.
Houston, Robert,	Instructor,	324 East 14th Street.
Hunt, Leigh H.,	Tutor,	Newtown, L. I.
Johnston, Henry P.,	Professor,	121 East 76th Street.
Kost, Henry G.,	Tutor,	164 East 63d Street.
Legras, Gustave,	Tutor,	1429 Park Avenue.
McCreery, Forbes R.,	Tutor,	350 Lexington Avenue.
McGuckin, William G.,	Tutor,	128 West 129th Street.
Mandel, John A.,	Assistant,	Astoria, L. I.
Mason, James Weir,	Professor,	32 West 129th Street.
Mayell, Henry,	Secretary,	Rutherford, N. J.
Mitchell, Harvey,	Instructor,	768 Putman Ave., Brooklyn.
Morgenthau, Julius C.,	Tutor,	306 West 58th Street.
Mott, Lewis F.,	Tutor,	367 West 19th Street.
Mulqueen, Joseph F.,	Tutor,	51 Henry Street.
Nathan, Harold,	Tutor,	73 West 36th Street.
Newcomb, George B.,	Professor,	256 West 57th Street.
Poor, Charles L.,	Tutor,	42 West 19th Street.
Roemer, Jean,	Professor,	17 West 45th Street.
Rupp, August,	Tutor,	125 Second Avenue.

Scott, David B.,	Professor,	112 West 122d Street.
Sheldon, Benjamin A.,	Tutor,	48 Morton Street, Brooklyn.
Sickles, Ivin,	Tutor,	353 New York Ave., J. C.
Sim, John R.,	Tutor,	321 East 86th Street,
Smith, Calvin R.,	Tutor,	58 West 57th Street.
Stratford, William,	Professor,	245 West 52d Street.
Tisdall, Fitz Gerald,	Professor,	222 West 23d Street.
Webb, Alexander S.,	President,	15 Lexington Avenue.
Werner, Adolph,	Professor,	339 West 29th Street.
Woolf, Solomon,	Professor,	31 West 126th Street.
Bonney, Michael F..	Janitor,	College Building.
Reed, James,	Engineer,	College Building.

STUDENTS.

SENIOR CLASS.

Bamman, Harry Lewis,	159 Avenue B.
Barnett, Jacob,	81 East Broadway.
Bell, John H.,	149 East 46th Street.
Bieser, Augustus Edward,	556 West 54th Street.
Brouner, Walter Brooks,	256 West 12th Street.
Bullowa, Arthur M.,	146 East 55th Street.
Campbell, John,	2224 First Avenue.
Carnes, Mason,	24 East 17th Street.
Davies, Charles Franklin,	171 East 82d Street.
Devlin, Bernard Joseph,	1459 East Boulevard.
Drummond, Lewis Evans,	60 East 7th Street.
Dunscomb, Samuel Whitney, Jr.,	24 West 128th Street.
Eckerson, Frank L.,	114 West 125th Street.
Elder, John P.,	337 East 68th Street.
Erdman, Albert,	117 East 65th Street.
Ericson, Charles,	328 East 55th Street.
Glaze, George W.,	117 East 60th Street.
Hadden, Henry Cornell,	48 West 127th Street.
Haney, James Parton,	1238 Third Avenue.
Hatting, Peter August,	1811 Third Avenue.
Hershfield, Isidore,	199 Henry Street.
Hottenroth, Adolph C.,	297 Bowery.
Huber, Hugo F.,	212 East 20th Street.
Jasper, William H.,	554 Hudson Street.
Jones, Frank Lawrence,	319 East 57th Street.
Knox, T. Harry,	215 West 123d Street.
Koehler, Edwin H.,	40 East 64th Street.
Kohn, Albert,	748 Fifth Street.
Koplak, Charles,	139 Park Row.
Leisersohn, George Washington,	71 East 121st Street.
Levy, Arthur B.,	235 East 50th Street.
Levy, Lehman,	340 East 50th Street.
Lowinson, Oscar,	S. W. cor. 114th St. and Pleasant Ave.

McDonald, A. H.,	1220 Ogden Avenue, High Bridge.
Mandel, Edward,	211 Division Street.
Marks, Louis B.,	788 Lexington Avenue.
Merz, Eugene,	48 St. Mark's Place.
Mitchell, James Bryor,	1535 Washington Avenue.
Mitchell, Richard Henry,	1535 Washington Avenue.
O'Connell, Jerome A.,	159 East 123d Street.
Palmer, Earle Fenton,	317 East 124th Street.
Parmly, Charles Howard,	344 West 29th street.
Perham, Frederic Elliot,	2127 Fifth Avenue.
Potter, George Sabine, Jr.,	39 West 20th Street.
Potter, N. Bowditch,	39 West 20th Street.
Quesada, Gonzalo de,	425 West 51st Street.
Rauch, Morris S.,	122 East 117th Street.
Rosenberg, Max,	121 East 103d Street.
Ryan, James A.,	127 East 91st Street.
Ryan, William Thomas,	210 West 17th Street.
Salter, George Ferry,	38 Irving Place.
Schoen, Horatio,	121 Second Avenue.
Schwick, Charles,	420 East 9th Street.
Stein, Sydney A.,	5 Mitchell Place.
Stern, Charles S.,	78 East 108th Street.
Stevens, Plowdon, Jr.,	150 West 99th Street.
Tuska, Gustav R.,	223 East 18th Street.
Wieland, William Charles,	212 West 30th Street.

JUNIOR CLASS.

Abraham, William,	141 Suffolk Street.
Alsdorf, Edward G.,	237 West 51st Street.
Alsheimer, Joseph John	96 East 4th Street.
Angell, Frank Stanleigh,	213 West 23d Street.
Bachmann, Isaac,	270 West 127th Street.
Baese, Charles O.,	44 St. Mark's Place.
Baruch, Bernard M.,	47 East 60th Street.
Benoit, Léon Joseph,	37 East 21st Street.
Bernstein, Saul,	82 Division Street.
Blan, Samuel Augustus,	226 East 48th Street.
Brandt, William,	176 East 88th Street.
Brann, Samuel,	231½ Eighth Avenue.
Carpentier, Marius A.,	232 East 124th Street.
Carter, Stephen Tallmadge,	222 West 23d Street.
Cohn, Joseph J.,	91 East Broadway.
Cohn, Julius H.,	627 Third Avenue.
Cohn, Samuel,	342 West 47th Street.

Constant, Joseph Anthony,	24 Park Place.
Curry, John Pinkerton,	128 West 61st Street.
Dunlop, James John,	326 West 48th Street.
Dunn, Gano Sillick,	3 Bank Street.
Ferry, Ervin Sydney,	419 East 78th Street.
Fischlowitz, Gustav G.,	297 Greenwich Street.
Fuentes, Ventura,	253 West 84th Street.
Goldstein, Philip,	103 Goerck Street.
Goldstein, Samuel,	166 First Avenue.
Handy, Arthur W.,	131 West 32d Street.
Hoch, John,	162 East 64th Street.
Horne, Charles Francis,	67 Morton Street.
Jenks, Elijah,	524 West 37th Street.
Kletchka, John Joseph,	92 Vesey Street.
Lessler, Montague,	432 East 57th Street.
Ludwig, Henry Jr.,	299 Seventh Avenue.
Lydon, Richard,	842 Lexington Avenue.
McBarron, John,	283 East Broadway.
Macdonald, George Alexander,	135 Lewis Street.
McQueeney, Edward Cleveland,	790 Eleventh Avenue.
Merritt, Fowler,	305 East 56th Street.
Meyer, Henry Herman,	134 Liberty Street.
Mohr, Walter Martin,	17 Bedford Street.
Morgenstern, Julius,	566 Grand Street.
Morse, Livingston Burrill,	44 West 17th Street.
Nathan, Ralph,	16 Orchard Street.
Pedersen, Frederick Malling,	327 West 34th Street.
Prince, Julius,	548 West 43d Street.
Quinn, Daniel,	120 East 107th Street.
Reardon, Dennis Joseph,	348 West 48th Street.
Rosenblueth, Jacob,	347 East 58th Street.
Rothschild, Louis Frank,	51 East 60th Street.
Scheuer, Maurice,	26 East 76th Street.
Schlesinger, Anthony,	62 Attorney Street.
Schmeidler, Adolf,	164 East 66 Street.
Schuylar, Livingston,	Foot of East 84th Street.
Schwarz, Sampson Henry,	105 East 79th Street.
Simon, Solomon,	440 West 22d Street.
Smith, Arthur,	460 West 44th Street.
Smith, John Joseph,	1704 First Avenue.
Springsted, James William,	435 West 24th Street.
Stowe, Harry Welsh,	152 East 123d Street.
Van Pelt, John N.,	2365 Third Avenue.
Ware, Martin W.,	252 West 128th Street.

Warner, Theodore Alfred,
Waterbury, Ezra Ketcham,
Wingebach, Joseph Franklin,

325 East 30th Street.
104 East 10th Street
129 Stanton Street.

SOPHOMORE CLASS.

Abrahamson, Isador,	200 East 121st Street.
Alexander, Arthur A.,	101 West 54th Street.
Baker, George, Jr.,	241 East 116th Street.
Baum, Joseph,	317 East 79th Street.
Bleil, Frederick,	106 Eldridge Street.
Bliss, Harry Evelyn,	173 Alexander Avenue.
Blumenthal, Martin,	312 East 15th Street.
Boyrer, William Charles,	669 East 138th Street,
Breitwieser, Leonard L.,	74 Seventh Street.
Brickner, Edwin Solis,	812 Lexington Avenue.
Broas, Charles Henry,	1873 Washington Avenue.
Brodek, Charles,	365 West 46th Street.
Brower, James C.,	144 West 16th Street.
Buechler, William Frederick,	14 Jefferson Street.
Burke, Edmund,	62 Pike Street.
Chamberlin, Harry Allen,	32 East 69th Street.
Dannenberg, Simon J.,	322 West 58th Street.
Deane, William Edward,	235 West 33d Street.
Donahue, Joseph,	557 East 139th Street.
Doremus, Arthur Lispenard,	241 Madison Avenue.
Dreyfuss, Louis,	252 East Houston Street.
Duggan, Stephen P.,	341 East 23d Street.
Dutcher, George Thomas,	332 West 59th Street.
Elder, Robert,	337 East 68th Street.
Elsberg, Charles Albert,	152 East 60th Street.
Engel, Jacob,	168½ Attorney Street.
Este, Rafaelle Angelo,	27 West 124th Street.
Fischlowitz, Abraham,	297 Greenwich Street.
Fitch, Albert Franklyn,	236 East 71st Street.
Fuller, Eugene Bacon,	348 East 119th Street.
Galland, Justin Samuel,	103 East 79th Street.
Garritt, Albert Warner,	166 West 128th Street.
Greanelle, J. William,	64 East 123d Street.
Haniphy, Joseph Alfonso,	99 Munroe Street.
Hansen, Theodore,	409 West 57th Street.
Hartnett, Eugene Howe,	109 McDongal Street.
Heim, John F.,	259 East 71st Street.
Herrman, Charles,	27 West 115th Street.
Herskovitz, Herman, Jr.,	780 Second Avenue.

Huebsch, Daniel Adolph,	791 Lexington Avenue.
Hühner, Leon,	358 East 121st Street.
Jacobs, Alfred Moss,	403 Sixth Avenue.
Jacobsohn, William,	334 East 52d Street.
Keeler, Frederick Sterling,	106 East 28th Street.
Kelby, Thomas,	300 East 11th Street.
Kelly, William Vincent, Jr.,	163 East 69th Street.
Kempner, Irving Isaac,	159 East 61st Street.
Kohler, Max J.,	115 East 71st Street.
Kranich, Augustus,	232 East 27th Street.
Lee, Herbert Powell,	166th Street and Tinton Avenue.
Louis, Otto T.,	112 Avenue A.
McBarron, Frank J.,	283 East Broadway.
Manheim, Henry Clay,	227 West 132d Street.
Manheim, Louis L.,	268 East Broadway.
Meighan, Burton C.,	235 East 125th Street.
Menken, Solomon,	104 East 79th Street.
Moeller, Fritz,	336 West 29th Street.
Morris, Aaron,	56½ Baxter Street.
Munzesheimer, Gustave,	49 East 83d Street.
Myers, John Hays, Jr.,	Clover Street, West Farms.
Neuhof, Selian,	56 Ludlow Street.
O'Neil, John Augustine,	7 Broadway.
Opperman, Melvin Charles,	165 West 11th Street.
Parker, Ransom Joseph,	224 West 11th Street.
Patterson, Frederick Holden,	61 East 25th Street.
Piza, Moses I.,	495 Lexington Avenue.
Pollock, Edward James,	357 West 48th Street.
Popper, Emil Louis,	67 East 112th Street.
Prellwitz, Otto Emil,	304 East 23d Street.
Prochownick, Louis,	122 East 60th Street.
Prochownick, Sylvain B.,	122 East 60th Street.
Pyne, William Joseph,	336 Water Street.
Rainey, William,	234 West 39th Street.
Rauner, Charles,	323 East 42 Street.
Remy, Alfred Maria Joseph,	2516 Eighth Avenue.
Remy, Arthur Frank Joseph,	2516 Eighth Avenue.
Risk, Francis,	408 West 18th Street.
Roeser, John Edward,	240 West 130th Street.
Rogers, Clarence DeWitt,	64 East 61st Street.
Roseno, Bernard Samuel,	345 Canal Street.
Rosenthal, Charles Edward,	3 Eldridge Street.
Saurel, Paul L.,	158 West 16th Street.
Schlesinger, Frank,	301 East 58th Street.

Schlesinger, Henry,	193 Lewis Street.
Schmeidler, Benjamin,	164 East 66th Street.
Simonson, Jerry T.,	61 East 83d Street.
Small, Eugene,	62 East 81st Street.
Stern, Aaron,	189 Chrystie Street.
Steuer, Max David,	127 Cannon Street.
Stock, Jr., Henry,	349 Seventh Avenue.
Stuart, William D.,	200 East 10th Street.
Taylor, David Clark,	105th Street and Riverside Drive.
Timmerman, Arthur Henry,	305 East 53d Street.
Totten, James Wallace,	229 Third Avenue.
Trafford, Forrest Rose,	120 East 28th Street.
Trostler, Emil,	201 East 77th Street.
Van Siclen, Arthur,	460 West 23d Street.
Veiller, Lawrence,	The Dalhousie, 48 West 59th Street.
Wagner, Edward,	233 First Avenue.
Walker, George,	890 Grand Boulevard.
Watson, James Tolmie,	306 West 20th Street.
Weber, Wm. Edmund,	16 Bayard Street.
Weiler, Charles,	106 East 60th Street.
Wenzel, Albert,	306 East 55th Street.
Werner, Carl Max,	128 East 66th Street.
Werner, Harry C.,	120 East 65th Street.
Wiener, Joseph,	1003 Madison Avenue.
Wise, Otto Irving,	710 Fifth Street.
Wood, William Thos.,	208 Bowery.
Wood, Sydney Lunt,	6 East 28th Street.
Yankauer, Sidney,	207 East 57th Street.
Zarnitz, George Henry,	326 Madison Street.
Zitz, Frederick Charles,	596 Seventh Avenue.

MECHANICAL COURSE.

Arndt, George,	335 East 79th Street.
Barnett, Leon H.,	150 East 60th Street.
Beal, Thaddeus Reynolds,	350 Alexander Avenue.
Biermann, Diedrich Peter,	709 East 9th Street.
Bond, Lester W.,	954 Ninth Avenue.
Bristol, Edward De Martin,	239 West 43d Street.
Conant, Harold Beecher,	309 West 14th Street.
Cunningham, Albert Jay,	55 Horatio Street.
Dodd, Charles G.,	418 West 22d Street.
Drew, George Scott, Jr.,	306 East 123d Street.
Eckstein, Frederick,	64 East 4th Street.
Falk, William,	752 Sixth Street.

Guest, Royal,	315 West 51st Street.
Halligan, Thomas,	236 Seventh Street.
Kaufmann, Max,	11 East 66th Street.
Koenig, Sigmund H.,	233 East 72d Street.
Kubischta, Frank,	312 East 85th Street.
Kuper, William H.,	687 Lexington Avenue,
Leipziger, Frederick David,	312 East 79th Street.
Levy, Lester,	219 Henry Street.
McCarthy, Warren J.,	169 East 127th Street.
Malraison, George,	17 South Fifth Avenue.
Martin, Joseph M.,	223 West 49th Street.
Michelbacher, Abraham,	227 East 72d Street.
Neil, John W.,	346 West 18th Street.
Nelson, Dean,	1348 Lexington Avenue.
Pickett, Charles James,	320 East 85th Street.
Roberts, William Lloyd,	333 East 120th Street.
Rothschild, Joseph,	38 Bowery.
Schafer, Charles Emanuel,	52 West 46th Street.
Schoenbrun, Alfred,	903 Fourth Avenue.
Scott, Arthur,	258 West 24th Street.
Stiehl, Oscar E.,	333 Pleasant Avenue.
Stigler, Otto W.,	671 Second Avenue.
Stock, Casper,	118 East 109th Street.
Weil, Jonas Brooks,	118 East 90th Street.
Whitelaw, Graham,	391 Fourth Avenue.

FRESHMAN CLASS.

Alexander, Nestor A.,	354 East 83d Street.
Altkrug, Louis Joseph,	106 East Broadway.
Anderson, George J.,	206 East 46th Street.
Appleton, Floyd,	1168 Franklin Avenue.
Aronson, Oscar,	364 Pearl Street.
Bailey, Edward Clifford,	243 West 129th Street.
Bell, Edwin,	230 Second Avenue.
Berg, Albert,	241 Seventh Street.
Bernheim, Charles H.,	113 East 65th Street.
Berry, Warren Taylor,	36 Dominick Street.
Binion, Joshua,	158 East Broadway.
Bogert, William H.,	358 West 20th Street.
Bolton, William H.,	West Farms.
Bowes, Samuel,	536 Third Avenue.
Brussel, Elbert	18 East 81st Street.
Bryant, William E., Jr.,	41 West 28th Street.
Buser, Hermann,	320 West 47th Street.

Cahart, David,	128 East 86th Street.
Cahn, David,	475 East Houston Street.
Candler, James Robert,	235 East 33d Street.
Carl, William,	313 West 39th Street.
Clearman, John W.,	107 East 45th Street.
Clermont, Louis Charles,	362 East 72d Street.
Cohen, Martin,	138th Street and Tenth Avenue.
Cohn, Isadore,	91 East Broadway.
Collins, William J.,	52 West 18th Street.
Cornell, Alfred L.,	142 West 126th Street.
Craft, Warren M.,	217 West 133d Street.
Crawford, Samuel H.,	274 West 127th Street.
Curtiss, Geo. Lyman,	162d Street and Edgecombe Avenue.
Dann, Nicholas,	72 Rivington Street.
Doepp, Louis E.,	115 East 12th Street.
Dubarry, Victor Paul,	Morris Avenue and 160th Street.
Earle, Thornton,	152d Street, west of St. Nicholas Ave.
Ehlers, Edward Cargill,	180 West 10th Street.
Ehrlich, Henry,	304 East 3d Street.
Elsberg, Nathaniel A.,	152 East 60th Street.
Emley, Jos. Noble,	207 West 56th Street.
Fisher, Maurice,	241 Eighth Avenue.
Fisher, Sam.,	108 East 70th Street.
Ford, Sherman,	252 West 34th Street.
Foster, Frederick James,	628 West 52d Street.
Fox, Emanuel E.,	343 West 46th Street.
Frank, Samuel,	745 Fifth Street.
Freeman, Jacob,	896 First Avenue.
Freund, Jacob M.,	49 East 91st Street.
Friedman, Morris,	332 East Houston Street.
Friedwald, Samuel,	169 East Broadway.
Frisbee, Harry Dubois,	1358 Fulton Avenue.
Gale, Walter C.,	312 East 150th Street.
Gartensteig, Charles,	436 East 56th Street.
Geyer, Hugo A.,	52 Avenue A.
Geyer, Paul W.,	78 Second Street.
Ginsburg, Marks,	47 Canal Street.
Goebel, George C.,	235 Seventh Street.
Goldfrank, Lionel Emanuel,	20 East 81st Street.
Goldmark, Rubin,	248 West 51st Street.
Goodhart, Lawrence George,	1648 Park Avenue.
Greene, Marshall Winslow,	10 East 47th Street.
Guiterman, Arthur,	335 West 58th Street.
Hackett, James J. K.,	107 East 35th Street.

Hageman, Frank Charles,	7 Abingdon Square.
Hall, Jr., Alfred Bryant,	718 East 139th Street.
Hamburg, David J.,	144 East 83d Street.
Handy, Livingston Gilpen,	131 West 32d Street.
Hargrave, Frederic Charles,	169th Street and Mott Avenue.
Harris, Joseph Jacob,	35 Essex Street.
Hartough, Clarence B.,	134 West 126 Street.
Haven, Aubrey Guy,	329 West 124th Street.
Hawkes, Roy Harlan,	108 East 86th Street.
Hayward, Jr., J. Kilbourn,	26 West 38th Street.
Hengsbach, Charles,	39 Willett Street.
Henschel, Joseph,	552 West 51st Street.
Hertz Emanuel,	125 Norfolk Street.
Hertz, Joseph Hermann,	125 Norfolk Street.
Heymann, Albert,	134 East 80th Street.
Hibbe, Leopold H. R.,	235 Sixth Street.
Hillgrove, Thomas,	3444 Third Avenue, 167th Street.
Hoffmann, Alfred,	85 Allen Street.
Honeck, Henry Conrad,	244 East 28th Street.
Hook, Charles S. M.,	710 Eighth Avenue.
Hornthal, Milton J.,	780 Madison Avenue.
Huiell, John Mortimer,	286 Madison Street.
Hulburd, David Wendell,	317 East 118th Street.
Joanini, George L.,	411 West 19th Street.
Josephson, Isaac,	207 Delancey Street.
Josephthal, Ernest,	128 East 72d Street.
Jost, William W. D.,	87 East 10th Street.
Judson, William David,	24 West 127th Street.
Kassing, Edwin S.,	94 Rivington Street.
Keller, Edward,	248 West 129th Street.
Kelly, Bryan,	119 East 23d Street.
Kelly Edwards Hall,	322 East 87th Street.
Kelly, Edward K.,	119 West 15th Street.
Klingenstein, Jr., William,	248 East 60th Street.
Kurzman, Charles Chauncey,	301 Grand Street.
Landsmann, Solomon Morris,	232 Broome Street.
Leipziger, Leo Edward,	312 East 79th Street.
Levy, Morris,	74 Henry Street.
Libman, Emanuel,	18 East Broadway.
Lindroth, Charles Hjalmar,	429 East 14th Street.
Ludvigh, Elek John,	7 East 13th Street.
McPherson, Wallace S.,	313 West 22d Street.
Man, Arthur,	106 East 30th Street.
Manchester, George Rollie,	442 West 20th Street.

Marvin, Jr., Walter Taylor,	299 Fifth Avenue.
Marx, Louis,	175 Clinton Street.
Marx, Wolff Benedict,	175 Clinton Street.
Mason, George Cotner,	1423 Lexington Avenue.
Mayer, Henry William,	843 Lexington Avenue.
Meighan, Howard Sidney,	235 East 125th Street.
Metzger, Nathan,	301 East 55th Street.
Metzler, Henry,	171 East 60th Street.
Meyer, William Henry,	56 Madison Street.
Miller, Ira Abbott,	154 West 20th Street.
Miller, James Leslie,	11 Chambers Street.
Mord, George,	30 Orchard Street.
Morrill, Walter Carolus,	413 St. Nicholas Avenue.
Morris, Edward Nay,	252 West 129th Street.
Morris, Moses,	46 Forsyth Street.
Morrison, William Howe,	11 West 18th Street.
Moses, Julian,	131 East 73d Street.
Mosier, Burton John,	262 Henry Street.
Moss, Isaac,	263 West 36th Street.
Murphy, Edward Joseph,	212½ East 47th Street.
Necarsulmer, Harry,	109 East 70th Street.
Nelson, Jr., Henry Clay Peters,	1348 Lexington Avenue.
Newman, Henry,	93 Division Street.
Newstead, Akiba,	74 Norfolk Street.
Oakes, John Calvin,	423 West 21st Street.
Oakley, Charles Solomon,	327 West 30th Street.
Ogden, Jr., William Burnett,	173 West 126th Street.
Phillips, Charles,	106 Lexington Avenue.
Plump, Charles Henry,	12 West 126th Street.
Plump, Christian H.,	5 Watts Street.
Reynolds, Frederick Gregory,	445 West 22d Street.
Rice, Louis Washington,	124 East 82d Street.
Rich, Howard Althouse,	285 Alexander Avenue.
Rickman, George Henry,	120 East 28th Street.
Riegelman, John,	856 East 161st Street.
Robertson, Harry Asten,	138 Columbia Street.
Rodman, Harry,	214½ Broome Street.
Rosenheim, Casper S.,	313 East 82d Street.
Rothwell, John Joseph,	410 East 51st Street.
Russell, Worthington Seaton,	202 West 23d Street.
Ryker, Robert Lent,	17 West 123d Street.
Samuels, Robert Vinton,	143d Street and St. Ann's Avenue.
Scheider, Ernst Julius,	187 East 64th Street.
Scheuer, Louis,	951 Second Avenue.

Schiele, Theodore,	257 East 72d Street.
Schotte, Armin,	304 East 12th Street.
Schutz, William Aaron,	728 Lexington Avenue.
Scott, Frank,	47 Christopher Street.
Scouler, Ambrose,	242 West 26th Street.
Seiniger, Samuel,	268 West 39th Street.
Seward, Washington Irving,	1839 Madison Avenue.
Shipman, Frank Wesley,	229 East 112th Street.
Silvermann, Philip,	149 Ludlow Street.
Smith, Henry Atterbury,	460 West 44th Street.
Smyth, Francis,	3 East 65th Street.
Spiegel, Alfred,	317 East 30th Street.
Stehl, George Christopher,	261 Avenue A.
Steinach, William George,	188 Second Avenue.
Stern, Philip Henry,	212 East 114th Street.
Stroh, Fred. August,	383 Sixth Avenue.
Stroock, Solon Michael,	173 East 95th Street.
Sulina, Albert Joseph,	3 James Slip.
Sulzbach, Joseph,	211 East 10th Street.
Theban, William Henry,	2110 Third Avenue.
Theobald, Carl,	542 East 11th Street.
Thumm, Carl Frederick,	349 West 58th Street.
Timmermann, Charles Edward,	305 East 53d Street.
Tobias, Leo,	322 East 52d Street.
Trimble, Roswell Delmage,	161 West 130th Street.
Ullman, James A. G.,	129 East 73d Street.
Van Norman, Louis Edwin,	1324 Franklin Avenue.
Van Vleck, Edgar Wakeman,	57 West 10th Street.
Victor, Frederick,	759 East 173d Street.
Wasserscheid, August Apollo,	325 East 55th Street.
Weiler, Lorenz Frederick John,	S. E. corner of 120th St. & First ave.
Whitehorne, Frederick Newton,	104 West 129th Street.
Wile, Alfons,	33 Beekman Place.
Williams, Edward Ewing,	1668 Second Avenue.
Wilson, Robert McCrae,	142 West 105th Street.
Woolf, Michael,	138th Street, Tenth Avenue.
Wuppermann, Adolf Edward,	35 West 124th Street.

MECHANICAL COURSE.

Arnold, Harry S.,	148 East 81st Street.
Arnold, John Barry,	29 West 126th Street.
Basch, Seymour,	118 East 85th Street.
Benedict, Eli.	167 West 71st Street.

Bliss, Louis,	374 East 8th Street.
Breitmeyer, Henry,	50 Gansevoort Street.
Campbell, Robert Alexander,	424 West 47th Street.
Campbell, Robert Alexander,	404 College Avenue.
Clark, Edwin Thorne,	216 East 70th Street.
Cohn, Harry M.,	214 East 32d Street.
Davis, Louis,	220 East 72d Street.
Diehl, Geo.,	87 Ludlow Street.
Fanning, Hubert Francis,	363 First Avenue.
Franklin, Peter Archibald,	169 East 69th Street
Friedman, Samuel,	346 East 54th Street.
Geney, Hippolyte,	131 Clinton Place.
Gilbert, Jr., Frank,	7 Fifth Avenue.
Goldsmith, Julius,	1389 Second Avenue.
Goodman, William,	157 East 73d Street.
Harris, Harry A.,	103 East 72d Street.
Hess, Aaron,	215 East 106th Street.
Hoffner, George Charles,	70 First Street.
Hyde, Courtney,	162 West 44th Street.
Jacobs, Harry,	107 East 78th Street.
Jervis, George Albert,	548 West 42d Street.
Klees, Albert Henry,	395 Ninth Avenue.
Klemann, John Henry,	603 East 13th Street.
Kircher, Edward Theodore,	145 Avenue B.
Knox, Charles Edwin,	227 East 123d Street.
Lassner, Leopold,	244 East 38th Street.
Leonhard, Theodore S.,	62 Second Avenue.
Letsch, Fred.,	310 East 37th Street.
Levine, Arthur,	78 Catharine Street.
Libaire, Charles,	150 West 49th Street.
Lippincott, Harold Edward,	241 West 43d Street.
Lydecker, Irving S.,	562 East 155th Street.
McCarthy, Albert G.,	169 East 127th Street.
Mayer, Monroe,	113 East 114th Street.
Moran, George Newell,	253 West 122d Street.
Ohlenslager, Jean Charles Eugene,	1966 Third Avenue.
Parry, John Hales,	436 West 58th Street.
Riordan, Edward,	1660 Third Avenue.
Rosendale, Isaac George,	59 East 112th Street.
Ross, Leon Samuel,	161 East 65th Street.
Scripture, Eber,	437 Fourth Avenue.
Tower, Harris Grant,	139 East 42d Street
Van Orden, William Henry,	135 Perry Street.
Wachenheim, Robert,	38 East 126th Street.

Weisenel, John Adam,	414 East 17th Street.
Wemyss, Jr., Louis G.,	861 Sixth Avenue.
Wendell, Edwin H.,	117 West 15th Street.
Wetterlind, John Frederick,	422 East 58th Street.

SUB-FRESHMAN CLASS.

Abbott, Edward Alexander,	344 West 21st Street.
Abel, Henry Chas.,	233 Tenth Avenue.
Acken, Joseph Bartlett,	345 West 48th Street.
Alexander, Edward Albert,	172 East 75th Street.
Baese, Lincoln,	93 Second Avenue.
Balthasar, Arthur,	34 Gramercy Park.
Baron, Augustus A.,	204 West 61st Street.
Baron, Hugo Samuel,	107 East 64th Street.
Baron, Theodore Robert,	162 East 56th Street.
Baruch, Herman Benjamin,	47 East 60th Street.
Bates, Frank D.,	1846 Washington Avenue, Tremont.
Baynes, Ernest Harold,	523 West 24th Street.
Becker, Frederick William,	150 East 82d Street.
Beeck, Elmer Ellsworth,	462 West 51st Street.
Bellinger, Charles,	764 Ninth Avenue.
Benedikt, Victor Mayor,	123 East 83d Street.
Berger, William,	146 Forsyth Street.
Bernstein, Louis,	184 Henry Street.
Bernstein, Solomon,	90 East Broadway.
Bettman, Mortimer A.,	612 Lexington Avenue.
Birnbaum, Jacob Michael,	132 Ridge Street.
Blackwell, Jr., Wilson Hunt,	2035 Seventh Avenue.
Blot, George Wood,	224 East 118th Street.
Bloch, Adolph,	522 East 82d Street.
Blumenthal, Walter,	405 East 56th Street.
Bogart, Robert Alpheus,	103 West 132d Street.
Bohata, Emil Stanislav,	339 East 38th Street.
Bolles, Frank,	113 East 109th Street.
Boniface, Gustav,	97 Stanton Street.
Bowman, Herbert Crossley,	18 West 159th Street.
Brückner, Arthur,	314 Sixth Street.
Bullowa, Ferdinand E.,	146 East 55th Street.
Bunnell, Walter L.,	424 East 57th Street.
Byrne, George Lockwood,	1070 Third Avenue.
Campbell, Bernard,	318 East 47th Street.
Campbell, Charles Patrick Joseph,	184 Henry Street.
Campbell, Judson David,	155 East 76th Street.
Cardwell, William Frederick,	536 Third Avenue.

Carew, John F.,	225 East 58th Street.
Cary, Stephen J.,	15 Barrow Street.
Chapman, Robert Tendall,	167 East 116th Street.
Charvet, Matrice Jules,	32 East 21st Street.
Churchill, Allen Edwin,	221 East 32d Street.
Cochrane, Harry Purnell,	177 West 94th Street.
Cohen, Abraham,	225 East 79th Street.
Cohen, Hyman Joseph,	20 Essex Street.
Cohen, Joseph,	212 East 27th Street.
Cole, Anson Burlingame,	411 Lexington Avenue.
Cole, Charles F.,	592 East 141st Street.
Coleman, John Burlinson,	135 East 65th Street.
Colman, Julian Abraham,	330 West 42d Street.
Connor, David John,	456 West 58th Street.
Conway, Edward Cornelius Aloysius,	153 East Broadway.
Cook, Alfred Aaron,	152 East 71st Street.
Cooke, Lee,	553 Manhattan Avenue,
Coon, Solomon,	202 E. 112th Street.
Cox, Harry Douglas,	102 East 114th Street.
Creegan, Frank Washington,	510 East 117th Street.
Dailey, Alfred Milner,	318 East 25th Street.
Dale, Frank Thompson,	635 Walton Avenue.
Daly, William Henry Vincent,	188 Lexington Avenue.
Dantes, Max,	1020 Third Avenue.
David, Harry Percy,	110 West 79th Street.
Davis, Frank Leslie,	125 West 31st Street.
Deane, Joseph William,	277 West 11th Street.
Deignan, John Eugene,	135 MacDougal Street.
Deignan, Harry Francis,	135 MacDougal Street.
Dieckmann, Frederick William,	11 West 4th Street.
Donley, Edward John,	319 Lexington Avenue.
Dreher, Harry Lawrence,	278 Stanton Street.
Duffy, John Patrick,	346 East 18th Street.
Dwyer, William F.,	312 East 57th Street.
Eaton, Warren Perley,	2387 Second Avenue.
Ehlers, William Charles,	242 East 62d Street.
Eickworth, Louis,	712 Tremont Avenue.
Elkus, Willie,	61 East 61st Street.
Elliff, Joseph,	528 Pearl Street.
Falck, Edward,	29 East 132d Street.
Feinberg, Joseph,	294 Delancey Street.
Feine, Morris,	92 Ludlow Street.
Fell, Horace Requa,	238 E. 50th Street.
Field, Clarence Everett Mainton,	1947 Washington Avenue.

Fintel, Ernest August Von,	151 E. 48th Street.
Fischer, Edwin Philip,	33 West 92d Street.
Fitzpatrick, Edmond,	230 West 15th Street.
Flaherty, John Edward,	883 Tenth Avenue.
Flynn, Harry Sydney,	204 East 70th Street.
Frankenstein, Arthur,	415 East 57th Street.
Freedman, Lewis Herbert,	120 West 125th Street.
Galinger, Edward Simon,	178 East 79th Street.
Gans, Eugene Philip,	346 West 57th Street.
Gardiner, Sidney Frederick,	318 West 22d Street.
Ginsburg, Leon B.,	1484 First Avenue.
Glasson, Samuel,	343 West 38th Street.
Gloeckner, Louis Jacob,	427 East 85th Street.
Goldberg, Raphael Henry,	8 Albany Street.
Goldberger, Maurice,	68 East 61st Street.
Goldfrank, Harry Philip,	20 East 81st Street.
Goldman, Edwin Washington,	142 East 60th Street.
Goldmark, Emil,	248 West 51st Street.
Gottschalk, Alfred Louis,	62 East 11th Street.
Grabowski, Louis,	1624 Third Avenue.
Graham, David Elms,	107 East 45th Street.
Grahl, Emil,	616 Second Avenue.
Greenbaum, Jacob,	80 East 108th Street.
Griffen, Herbert Homans,	37 W. 58th Street.
Griffiths, Edgar Morris,	226 W. 15th Street.
Gruntal, Benedict Herman,	122 East 61st Street.
Haerting, Frederick John,	64 Thompson Street.
Haight, Samuel Carleton,	45 West 126th Street.
Haines, Claude Maurice,	251 West 124th Street.
Hait, Sherman Knevals,	26 Charles Street.
Haller, Edwin A. F.,	124 West 28th Street.
Handy, Frederick Jackson,	131 West 32d Street.
Handy, Walter Eugene,	131 West 32d Street.
Harrison, William Nelson,	368 West 32d Street.
Hartzheim, Frederick,	49 St. Mark's Place.
Hauswirth, Louis,	208 East 7th Street.
Hazel, George Alexander,	220 South 5th Avenue.
Hecht, Victor David,	34 East 84th Street.
Heimberger, Samuel Victor,	249 East 7th Street.
Heindl, John,	415 Fourth Avenue.
Hellerson, Charles,	336 East 55th Street.
Henderson, Archibald Charles,	147 East 33d Street.
Henry, John Mortimer,	213 East 25th Street.
Henwood, William Jory,	1293 Washington Avenue.

Herman, Martin,	355 East Houston Street.
Herz, William,	172 East 80th Street.
Heylman, Harry Budelman,	Buckout St., near Anthony Ave.
Hibson, Charles,	212 East 27th Street.
Hoagland, John Alfred,	81 Vandam Street.
Hoerle, Charles John,	432 West 19th Street.
Holder, Charles Adams,	19 West 124th Street.
Holland, Edward Vincent,	347 West 19th Street.
Holt, Truman Slayton.	168 West 54th Street.
Holzman, William Louis,	158 East 66th Street.
Huber, Charles,	21 First Avenue.
Huhner, Max,	358 East 121st Street.
Hussey, John Joseph,	185th Street and Kingsbridge Road.
Hutkoff, Isaac,	199 East Broadway.
Iffrich, Joseph,	406 West 39th Street.
Ihoff, William Manning,	117 West 60th Street.
Jack, Harry Augustus Francis,	473 Sixth Avenue.
Jackson, Stephen H.,	45 East 67th Street.
Jacobus, Emanuel,	177 Delancey Street.
Jacobus, Theodore I.,	177 Delancey Street.
Jennings, George E.,	321 West 12th Street.
Johnson, Broadus Andrew,	144 West 26th Street.
Johnston, John A.,	110 West 29th Street.
Joseph, Dudley D.,	48 East 75th Street.
Joyce, Edgar Collins,	217 East 31st Street.
Katz, Maurice,	34 Attorney Street.
Kaufman, Sidney,	427 West 47th Street.
Kaufman, Freddie,	11 East 66th Street.
Kerwin, Arthur,	82 East 92d Street.
Kilbreth, James T.,	230 East 18th Street.
Kindervater, Robert,	325 East 24th Street.
Kleinmann, Jacob N.,	245 East 110th Street.
Knox, Arthur,	110 East 71st Street.
Knox, Douglas,	643 Sixth Avenue.
Koch, John,	148th Street, St. Nicholas Avenue.
Kolasky, George,	353 East 52d Street.
Korn, George,	154 East 66th Street.
Kosmak, George William,	234 East 49th Street.
Kronacher, Mayer,	118 Varick Street.
Laase, William F.,	641 East 9th Street.
Larendon, Robert Edgeworth,	157 West 79th Street.
Lasky, Samuel,	90 Division Street.
Lawrence, Chas. A.,	516 East 12th Street.
Leeser, Abram,	427 Hudson Street.

Leffler, Max,	623 East 12th Street.
Leo, Arnold Gustave,	149 West 84th Street.
Levett, Benjamin A.,	154 West 128th Street.
Levy, Meyer,	132 Henry Street.
Lewis, Henry,	1836 Lexington Avenue.
Liddell, Stewart,	207 East 40th Street.
Liebermann, William,	67 East 3d Street.
Listmann, Ferdinand,	520 East 89th Street.
Little, Daniel,	1218 Third Avenue.
Loewy, George Samuel,	577 East 146th Street.
Longfelder, William,	1906 Third Avenue.
Lowenfels, Simon,	569 Second Avenue.
Loewenthal, Murray,	127 East 84th Street.
Lupprian, Charles A.,	1606 Third Avenue.
Lutz, Stephen H.,	65 7th Street.
McCrum, Robert A.,	Sweet's Hotel, Fulton Street.
McDonald, Edward J.,	120 West 100th Street.
Macdonald, Alexander R.,	411 Weet 28th Street.
Mackay, William Andrew,	155 West 36th Street.
McIntyre, Charles,	171st Street, near Eleventh Avenue.
McMurray, Joseph C.,	347 West 59th Street.
McNally, Edward J.,	1589 Second Avenue.
McNeill, Ernest,	589 East 140th Street.
McNulty, John James,	182 East 117th Street.
Maas, Milton Adolphus,	633 Lexington Avenue.
Mahoney, Daniel Francis,	613 Ninth Avenue.
Maienschein, Robert Joseph,	231 East 11th Street.
Manson, Donald L.,	56 East 108th Street.
Marks, Harry,	325 Second Avenue.
Marsh, James Harry,	272 West 4th Street.
Martin, James John,	1176 Second Avenue.
Martin, Jeremiah Neil,	2236 Sixth Avenue.
Mayer, Julian Theodore,	23 East 74th Street.
Michel, Nathaniel,	237 West 33d Street.
Miehling, Ph. Aug.,	91 Second Avenue.
Miles, Joseph Henry,	171st Street and Kingsbridge Road.
Miller, James Calvin,	47 West 119th Street.
Miller, Lawrence Sprague,	Governor's Island.
Mills, Frank Barlow,	415 East 116th Street.
Mogren, Charles,	27 Henry Street.
Monaghan, Eugene,	3435 North Third Avenue.
Monks, Richard Agustine,	173 East 79th Street.
Mooney, John B.,	434 West 58th Street.
Moore, Edmund Halsey,	136 East 111th Street.

Moore, Samuel Ward,	1009 Madison Avenue.
Moore, William,	65 West 21st Street.
Moritz, Ernest Henry,	818 East 11th Street.
Mount, Henry S.,	112 Ludlow Street.
Murphy, Wilbur J.,	350 East 41st Street.
Musits, Victor F. Von,	1266 Lexington Avenue.
Musliner, Louis,	208 East 116th Street.
Nathan, Alexander,	271 West 33d Street.
Natkins, Isaac,	418 West 40th Street.
Neumann, Charles,	Foot of East 75th Street.
Neumann, William Frederick,	985 Third Avenue.
Newell, Charles Augustus,	140 West 21st Street.
Newell, Frank,	321 East 84th Street.
Newton, Rollin Carolus,	159th St. bet. 10th Ave. & Gr."B'levard.
Newton, William J.,	18 Varick Place.
Nordlinger, Edwin Herman,	31 East 60th Street.
O'Reilly, Jr., Daniel,	64 Marion Street.
Ottinger, Nathan,	110 East 61st Street.
Parker, Marco S.,	245 West 14th Street.
Patterson, John,	240 West 22d Street.
Payson, George Phillips,	13 West 125th Street.
Perkowski, Waelaw Thaddeus,	213 Lewis Street.
Pfeiffer, Carl F.,	731 St. Nicholas Avenue.
Pick, Henry,	17 Great Jones Street.
Powers, Frank William,	204 West 83d Street.
Pryor, John,	200 West 27th Street.
Randles, Daniel F.,	290 Front Street.
Reed, Frank Adams,	225 West 123d Street.
Regan, David Jerome,	321 East 56th Street.
Reilly, James Charles,	315 West 21st Street.
Reshower, Isidore,	119 East 121st Street.
Reubenstein, Raymond,	125 Division Street.
Reynolds, William S.,	500 West 41st Street.
Rice, Jesse I.,	161 East 77th Street.
Richter, Charles Harry Young,	318 East 81st Street.
Rieser, Max Gustine,	225 East 93d Street.
Rittenhouse, Chas. F.,	41 West 42d Street.
Robertson, William,	345 Pleasant Avenue.
Robinson, Charles Thomas,	4 West 165th Street.
Roeser, Edward N.,	240 West 130th Street.
Rogers, Joseph C. Augustine,	66 West 93d Street.
Rogge, Henry,	2800 Third Avenue.
Romay, Joseph Raymond,	207 East 103d Street.
Rosenstein, Benjamin H.,	102 Bleecker Street.

Rosenzweig, Joseph,	249 East 110th Street.
Rosenzweig, Louis,	269 Division Street.
Samplinsky, M.,	240 Division Street.
Saunders, John Marshall,	44 East 79th Street.
Schenck, David Dye,	Westminster Hotel.
Scheuch, Julius Jacob,	321 East 18th Street.
Scheuer, Abraham,	774 Second Avenue.
Schloss, Arthur,	391 Canal Street.
Schulz, George Matthew Sebastian,	20 Chatham Square.
Schwab, Adolph Winkopp,	215 West 13th Street.
Schworer, Arthur,	206 Avenue A.
Scogin, William R.,	18 West 9th Street.
Searle, Charles D.,	32 West 126th Street.
Seigel, Max,	31 Norfolk Street.
Shade, Charles Eunson,	348 West 32d Street.
Shea, Patrick T.,	504 Pearl Street.
Sheehan, James,	220 East 35th Street.
Shera, George William,	120 East 90th Street.
Shields, William John,	358 East 69th Street.
Shutt, Alfred Mordecai,	141 East 19th Street.
Silberstein, Solomon,	2242 Sixth Avenue.
Slade, Winthrop,	32 East 21st Street.
Slevin, Thomas F.,	507 West 49th Street.
Sloss, Robert Thomson,	41 Dominick Street.
Smith, Frederick Lorenze,	Albany Post Road, Kingsbridge.
Smith, Mortimer Allen,	155 East 90th Street.
Smyth, Douglas Grahame,	32 West 130th Street.
Smyth, Ludlow St. Clair,	435 East 116th Street.
Sobel, Jacob,	148 Henry Street.
Sobel, Lazarus,	86 Barrow Street.
Solomon, John I.,	59 East 111th Street.
Speranza, Gino,	214 East 65th Street.
Squier, Albert J.,	121 East 92d Street.
Stackhouse, Henry W.,	351 Fifth Avenue.
Stanton, Frederick E.,	120 West 61st Street.
Steinberger, Jerome H.,	153 East 61st Street.
Steinberger, Victor,	52 East 30th Street.
Steneck, Edmund F.,	226 East 39th Street.
Stern, Philip A.,	221 East 86th Street.
Stewart, Leonard C.,	592 East 135th Street.
Stoneback, Frederick William,	820 Greenwich Street.
Stoney, David B.,	220 East 105th Street.
Strahan, George V.,	310 West 14th Street.
Stratton, Alexander,	158 East 127th Street.

Studinski, Leo,	337 West 50th Street.
Sutorius, Camillo T.,	31 West Houston Street.
Tansley, Frank Dudley,	28 West 43d Street.
Taylor, George Hoyt, Jr.,	660 East 142d Street.
Taylor, Ostram,	1364 Franklin Avenue.
Theis, Oscar C.,	509 West 49th Street.
Todd, Louis M.,	168 East 74th Street.
Tompkins, Harrington Clarendon,	308 West 42d Street.
Thorner, Maurice,	288 East Houston Street.
Treat, Edwin Cuyler,	158th Street and St. Nicholas Avenue.
Tucker, Francis John,	202 West 23d Street.
Turner, William,	426 West 29th Street.
Van Horson, Nathan Frederick,	227 West 133d Street.
Vermilya, Arthur Park,	137 West 127th Street.
Vincent, James,	134 East 105th Street.
Vogel, Benno H.,	56 East 80th Street.
Vorhaus, Joseph,	81 Ludlow Street.
Wagner, Edward Andrew,	232 West 28th Street.
Wagner, Edward Conrad,	296 Lexington Avenue.
Warner, Wilfred H.,	851 East 163d Street.
Weeks, Charles Louis,	26 West 22d Street.
Wehle, Albert F.,	53 East 66th Street.
Weil, Benjamin,	327 East 51st Street.
Weil, Edward,	329 East 3d Street.
Weil, Max H.,	150 East 81st Street.
Weinhandler, Sampson Herbert,	319 East 17th Street.
Weiss, Herman,	292 East Houston Street.
West, Stephen Water,	243 East 83d Street.
Whittemore, Henry Joel,	135 West 56th Street.
Whitwell, George Herbert,	346 East 84th Street.
Winans, Clarence F.,	248 East 121st Street.
Wise, Stephen Seymour,	710 5th Street.
Wohrmann, Herman,	427 West 39th Street.
Wolbarst, Abraham L.,	187 Henry Street.
Wolff, Henry,	108 West 133d Street.
Wright, William,	163d Street, West Morissania.
Young, Hiram,	46 Great Jones Street.

MECHANICAL COURSE.

Adams, Albert Lincoln,	231 East 13th Street.
Bailey, Harry,	68 East 104th Street.
Baker, R. Rolland,	228 East 23d Street.
Ballin, Maurice,	86 East 111th Street.
Bardes, F. W.,	166 Avenue C.

Bartlett, John,	236 West 132d Street.
Bateman, Leslie V.,	513 West 111th Street.
Benedict, David,	2366 First Avenue.
Best, Albert S.,	231 West 129th Street.
Bolz, Emil G.,	18 North Moore Street.
Bruecke, Herman,	247 East 39th Street.
Brummerhop, Charles,	103 Cedar Street.
Brushaber, Louis,	328 East 51st Street.
Carey, Thomas A.,	330 West 44th Street.
Casper, Arthur,	114 East 72d Street.
Coffey, Charles E.,	138 Sullivan Street.
Cone, William C.,	149 West 94th Street.
Conover, Charles,	692 East 162d Street.
Corbett, Edwin R.,	459 West 35th Street.
Corell, John Jacob,	33 Commerce Street.
Devlin, Peter Joseph,	322 East 19th Street.
Donohue, Martin Thomas,	1240 Franklin Avenue.
Duncan, Richard Joseph,	339 East 37th Street.
Eising, Louis,	6 East 66th Street.
Ely, Marshall S.,	10 East 58th Street.
Flammer, Charles Arthur,	329 West 19th Street.
Ford, William Warwick,	138 West 61st Street.
Frank, Julius,	220 6th Street.
Gennerich, Henry,	243 East 84th Street.
Gent, J. G.,	613 Tinton Avenue.
Goetschus, Raymond N.,	410 West 44th Street.
Grundmann, Otto A.,	211 East 58th Street.
Guthman, Louis,	239 East 78th Street.
Haggerty, Charles D. A.,	150 West 31st Street.
Harriot, Edgar W. J.,	130 Bleecker Street.
Hauser, Leo,	119 East 54th Street.
Hillenbrand, Christian Barker,	433 East 89th Street.
Humphrey, Henry Alfred,	838 Sixth Avenue.
Jacobs, Philip Joseph,	39 East 60th Street.
Kammerer, Alfred F.,	346 East 86th Street.
Keil, William,	700 East 11th Street.
Kiefaber, Henry,	1654 First Avenue.
Kilpatrick, Charles C.,	1138 Third Avenue.
Kirkpatrick, Alonzo A.,	2204 7th Avenue.
Knox, Oscar,	100 East 123d Street.
Kuhner, George Andrew,	121 West Broadway.
Lehman, Alfred,	1440 Lexington Avenue.
Libaire, Edward William,	150 West 49th Street.
Ludewig, Hermann E. H.,	402 East 89th Street.

Lyons, Timothy,	223 East 62d Street.
McCarthy, James Thomas,	300 West 10th Street.
McEntegart, Thomas,	454 West 53d Street.
Markey, William James,	300 West 10th Street.
Marks, Paul J.,	788 Lexington Avenue.
Meeske, Oscar;	508 East 121st Street.
Merriam, Alfred,	1540 Park Avenue.
Murphy, Jeremiah Francis,	218 East 34th Street.
Newman, Hugh,	169 East 65th Street.
Neuman, James,	604 Lexington Avenue.
Norris, John D.,	182 East 76th Street.
O'Neill, Joseph P.,	119 East 118th Street.
Oppenheimer, Joseph E.,	230 East 53d Street.
Penalver, F.,	261 West 47th Street.
Poillon, William Clark,	111 East 71st Street.
Roe, Thomas A.,	118 East 127th Street.
Rondel, Ernest Hoffman,	1094 Washington Avenue.
Roome W. H.,	11 Downing Street.
Rosmaier, Max Henry,	1293 First Avenue.
Sauer, Joseph,	1736 Lexington Avenue.
Schell, Montgomery Richard,	365 West 23d Street.
Schoenberg, Ralph,	800 Lexington Avenue.
Schöenberner, Henry P.,	119 St. Mark's Place.
Schwarting, John Henry,	27 Jackson Street.
Seiniger, David,	268 West 39th Street.
Semple, William,	260 West 132d Street.
Seufert, William M.,	515 East 152d Street.
Sigel, Jr., Franz,	563 Mott Avenue.
Silberberg, Charles,	873 First Avenue.
Sipp, John,	513 East 16th Street.
Spellman, Louis E.,	68 West 119th Street.
Szabo, Max,	130 East 4th Street.
Thoms, John Adolph,	159 Charles Street.
Thomson, George,	258 West 69th Street.
Ulman, Stephen A.,	1329 Washington Avenue.
Victorius, Abraham,	243 East 61st Street.
Walker, Sidney,	628 East 142d Street.
Wendelburg, Frederick C.,	257 West 30th Street.
Widmayer, Charles William,	934 First Avenue.
Wiltberger, Bertram,	35 East 23d Street.
Wright, Arthur E.,	723 East 141st Street.

University of the State of New York.



FORTIETH

ANNUAL REGISTER

OF

THE COLLEGE OF THE CITY

OF

NEW YORK.



1888-9.

PRESS OF DE LEEUW & OPPENHEIMER,
231 WILLIAM STREET, NEW YORK.

CONTENTS.

1888-89.

	PAGE
BOARD OF REGENTS,	4
BOARD OF TRUSTEES—EXECUTIVE COMMITTEE,	5
OFFICERS OF INSTRUCTION, GOVERNMENT, ETC.,	6
THE COLLEGE—ITS FOUNDATION, HISTORY, ETC.,	10
TERMS, VACATIONS, DAILY SESSIONS,	11
REQUISITES FOR ADMISSION,	11
COURSES OF STUDY,	12
DEPARTMENTS OF STUDY,	21
LIBRARY,	35
WORKSHOP,	36
DISCIPLINE,	37
EXAMINATIONS,	38
ALLOWANCE OF MARKS,	38
MERIT ROLL,	39
COMMENCEMENT,	40
MEDALS AND PRIZES,	41
CLASSICAL SCHOLARSHIP,	46
Degrees,	46
THE ASSOCIATE ALUMNI,	47
STUDENTS' AID FUND,	47
LITERARY SOCIETIES,	47
 COMMENCEMENT, 1888—	
MEDALISTS AND PRIZEMEN,	48
HONOR MEN,	51
DEGREES CONFERRED,	51
 DIRECTORY—	
CALENDAR,	53
BOARD OF TRUSTEES,	54
OFFICERS OF THE COLLEGE,	55
ALUMNI OF THE COLLEGE,	56
STUDENTS,	91
SUMMARY,	117
CHAIRMAN OF THE BOARD OF TRUSTEES,	118
EXECUTIVE COMMITTEE OF THE BOARD OF TRUSTEES,	119
FORMER OFFICERS OF THE COLLEGE,	127

UNIVERSITY OF THE STATE OF NEW YORK.

BOARD OF REGENTS.

1888.

HENRY R. PIERSON, LL.D., <i>Chancellor of the University,</i>	ALBANY.
GEORGE WILLIAM CURTIS, LL.D., <i>Vice-Chancellor,</i>	WEST NEW BRIGHTON.
DAVID B. HILL, <i>Governor,</i>	
EDWARD F. JONES, <i>Lieutenant-Governor,</i>	
FREDERIC COOK, <i>Secretary of State,</i>	
ANDREW S. DRAPER, <i>Sup't of Public Instruction,</i>	

} *Ex-Officio, ALBANY.*

Arranged in the order of their appointment :

ELIAS W. LEAVENWORTH, LL.D., 1861,	SYRACUSE.
GEORGE W. CURTIS, LL.D., 1864,	WEST NEW BRIGHTON.
FRANCIS KERNAN, LL.D., 1870,	UTICA.
JOHN L. LEWIS, 1871,	PENN YAN.
HENRY R. PIERSON, LL.D., 1872,	ALBANY.
MARTIN I. TOWNSEND, LL.D., 1873,	TROY.
ANSON J. UPSON, D.D., LL.D., 1874,	AUBURN.
WILLIAM L. BOSTWICK, 1876,	ITHACA.
CHAUNCEY M. DEPEW, LL.D., 1877,	NEW YORK.
CHARLES E. FITCH, 1877,	ROCHESTER.
ORRIS H. WARREN, D.D., 1877,	SYRACUSE.
LESLIE W. RUSSELL, LL.D., 1878,	CANTON.
WHITE LAW REID, 1878,	NEW YORK.
WILLIAM H. WATSON, M.D., 1881,	UTICA.
HENRY E. TURNER, 1881,	LOWVILLE.
ST. CLAIR McKELWAY, 1883,	ALBANY.
HAMILTON HARRIS, 1885,	ALBANY.
DANIEL BEACH, 1885,	WATKINS.
WILLARD A. COBB, 1886,	LOCKPORT.
DAVID MURRAY, LL.D., <i>Secretary,</i>	ALBANY.
ALBERT B. WATKINS, Ph.D., <i>Assistant Secretary,</i>	ALBANY.

BOARD OF TRUSTEES.

J. EDWARD SIMMONS, LL.D., CHAIRMAN.

WILLIAM A. COLE,	HENRY SCHMITT,
CHARLES CRARY,	HENRY L. SPRAGUE,
WILLIAM LUMMIS,	H. WALTER WEBB,
MILES M. O'BRIEN,	FREDERICK W. DEVOE,
EDWARD J. H. TAMSEN,	ROBERT M. GALLAWAY,
FERDINAND TRAUD,	CHARLES L. HOLT,
WILLIAM WOOD, LL.D.,	DE WITT J. SELIGMAN,
MRS. MARY NASH AGNEW,	J. EDWARD SIMMONS, LL.D.,
MISS GRACE H. DODGE,	JACOB D. VERMILYE,
RANDOLPH GUGGENHEIMER,	W. J. WELCH, M.D.,
SAMUEL M. PURDY,	ALEXANDER S. WEBB, LL.D.

ARTHUR McMULLIN, A.M., SECRETARY.

EDWARD E. VAN SAUN, ASSISTANT SECRETARY.

EXECUTIVE COMMITTEE

FOR THE

CARE, GOVERNMENT AND MANAGEMENT OF THE COLLEGE.

CHARLES L. HOLT, CHAIRMAN.

WILLIAM WOOD,	HENRY L. SPRAGUE,
EDWARD J. H. TAMSEN,	MILES M. O'BRIEN,
WILLIAM A. COLE,	J. EDWARD SIMMONS,
WILLIAM LUMMIS,	ROBERT M. GALLAWAY,
	ALEXANDER S. WEBB.

OFFICERS
OF
INSTRUCTION, GOVERNMENT, ETC.
ARRANGED IN ORDER OF SENIORITY.

THE PRESIDENT AND PROFESSORS CONSTITUTE THE FACULTY.

ALEXANDER STEWART WEBB, LL.D.,
President.

JEAN ROEMER, LL.D.,
Vice-President, and Professor of the French Language and Literature.

ROBERT OGDEN DOREMUS, M.D., LL.D.,
Professor of Chemistry and Physics.

ADOLPH WERNER, Ph.D.,
Professor of the German Language and Literature, and Secretary of
the Faculty.

ALFRED GEORGE COMPTON, A.M.,
Professor of Applied Mathematics.

CHARLES GEORGE HERBERMANN, Ph.D., LL.D.,
Professor of the Latin Language and Literature, and Librarian.

DAVID BURNET SCOTT, Ph.D.,
Professor of the English Language and Literature.

SOLOMON WOOLF, A.M.,
Professor of Descriptive Geometry and Drawing.

GEORGE BENTON NEWCOMB, PH.D.,
Professor of Moral and Intellectual Philosophy.

FITZ GERALD TISDALL, PH.D.,
Professor of the Greek Language and Literature.

JAMES WEIR MASON, A.M.,
Professor of Pure Mathematics.

HENRY PHELPS JOHNSTON, A.B.,
Professor of History.

WILLIAM STRATFORD, M.D., PH.D.,
Professor of Natural History.

BENJAMIN ARAD SHELDON, PH.D.,
Tutor in Mathematics.

CASIMIR FABREGOU, A.M.,
Tutor in French.

ERNEST FISTON, A.M.,
Tutor in French.

WILLIAM GEORGE McGUCKIN, A.B., LL.B.,
Tutor.

JOHN ROBERT SIM, A.B.,
Tutor.

LEIGH HARRISON HUNT, M.S.,
Tutor.

JULIUS C. MORGENTHAU, PH.D.,
Tutor.

IVIN SICKELS, M.S., M.D.,
Tutor.

GEORGE CHARLES HOLLERITH, B.S.,

Tutor.

CALVIN RAE SMITH,

Tutor.

JOSEPH FRANCIS MULQUEEN, A.M.,

Tutor.

CHARLES AVERY DOREMUS, M.D., PH.D.,

Tutor and Assistant in the Laboratory.

JOHN BAUMEISTER, M.S.,

Tutor.

DAVID CHERBULIEZ,

Tutor.

GUSTAVE LEGRAS, B.S.,

Tutor.

LEWIS FREEMAN MOTT, M.S.,

Tutor.

HARVEY MITCHELL, M.E.,

Special Instructor.

AUGUST RUPP, A.B.,

Tutor.

LUIS ALEJANDRO BARALT, A.B., M.D.,

Special Instructor in the Spanish Language.

ROBERT HOUSTON,

Special Instructor in Elocution.

HAROLD NATHAN, M.S.,

Tutor.

HENRY G. KOST, B.S.,

Tutor.

FORBES R. McCREERY, B.S.,

Tutor.

L. HEINRICH FRIEDBURG, PH.D.,
Special Instructor in Chemistry and Physics.

JOHN ALFRED MANDEL,
Assistant in Laboratory.

CHARLES LANE POOR, B.S.,
Tutor.

BASHFORD DEAN, A.B.,
Tutor.

WILLIAM FOX, B.S., M.E.,
Tutor.

JAMES HERVEY DE GROADT,
Assistant in Workshop.

H. WHEELER POWELL, B.S.,
Temporary Tutor.

CARL SCHURZ PETRASCH, B.S.,
Temporary Tutor.

CHARLES H. PARMLY, B.S.,
Temporary Tutor.

WALTER O'BRIEN,
Temporary Tutor.

ROBERT W. CANA,
Registrar and Deputy Librarian.

HENRY MAYELL,
Secretary to the President.

MICHAEL F. BONNEY,
Janitor.

JAMES REED,
Engineer.

THE COLLEGE.

The College of the City of New York, originally entitled the Free Academy, was established in 1848 by the Board of Education of the City of New York, in pursuance of an Act of the Legislature of the State, passed May 7, 1847, and ratified by the vote of the people of the city, June 9, 1847. The first class entered January, 1849, and completed its course in July, 1853. In the year 1854 the Legislature passed a law endowing the institution with collegiate powers and privileges, so far as pertained to the conferring upon its graduates the usual collegiate degrees and diplomas in the Arts and Sciences. In the year 1866, on the recommendation of the Board of Education, the Legislature of the State changed the name to that of "*The College of the City of New York*," and conferred on the institution the powers and privileges of a college, pursuant to the Revised Statutes of the State, rendering it subject to the provisions of the said statutes relative to colleges, and to the visitation of the Regents of the University, in like manner with other colleges of the State, and making the members of the Board of Education, *ex-officio*, the Trustees of the College. In 1872 the President of the College was, by Act of Legislature, made a member of the Board of Trustees. In the year 1882 the Legislature repealed so much of the statutes relating to the College as had made one year's attendance at the public schools of the city a requisite for admission, thus opening the College to all young men of the city of proper age and sufficient preparation. Instruction is free; so is the use of text-books and apparatus; and there is no expense whatever to be borne by the students.

TERMS, VACATION, DAILY SESSIONS.

The College year begins on the Thursday following the second Monday of September, and closes on the fortieth Thursday thereafter. It is divided into two terms. The first term closes on the fourth Friday of January; the second begins the following Monday.

There are three vacations—the Summer vacation, from the day after Commencement to the Thursday after the second Monday in September; the Winter vacation, from the 25th day of December to the 2d day of January, inclusive; and the Spring vacation, the week in which occurs the first day of May. There are no College exercises on legal holidays, or on any Friday immediately following a legal holiday.

During term-time the exercises begin at 20 minutes to 9 A. M., and continue until 5 minutes after 1 P. M. During the Winter months the sessions may open and close half an hour later.

REQUISITES FOR ADMISSION.

The examination of applicants for admission takes place immediately before the general examination in June. No applicant is admitted to the Sub-Freshman Class unless he be fourteen years of age, a resident of the City of New York, and pass a satisfactory examination in *Writing*, *Spelling*, the *English Language*, *Arithmetic*, some *Elementary Propositions in Geometry*, *Geography*, the *History of the United States*, and the *Elements of Industrial Drawing*.

No person is allowed to be present at the examinations for admission except the instructors of the College and the members of the Board of Trustees. Neither the names of the candidates nor the schools from which they come are made known to the instructors conducting the examination, but each candidate is designated, during the examination, by a number assigned to him by the President. Candidates who pass a good examination are admitted *on probation for eight weeks*; at the expiration of which

those who have shown the ability to prosecute the prescribed studies have their names entered on the rolls of the College.

In addition to the general examination in June, special examinations for admission to the higher classes are held on the last Friday in each month.

Any young man, a resident of the city, may be received into any of the higher classes, provided he passes satisfactorily the same examination as the students of the class to which he may seek admission.

To be admitted to examination, candidates present to the President of the College certificates in due form, signed by the Principals of the schools which they have attended, and specifying the dates and length of time of their attendance.

Every student, on leaving the institution, after one year, with a good character, is entitled to a certificate stating the period he has been in the College and the studies there pursued by him, provided he has satisfactorily accounted for all the books and other property entrusted to him; but no student shall receive such a certificate if he be dismissed for misconduct. If a student absents himself for two weeks without permission, his name is stricken from the rolls, and he loses his right to a certificate of good standing on leaving the institution.

COURSES OF STUDY.

The Classical course and the Scientific course extend each over a period of five years. Students who complete these courses to the satisfaction of the Faculty receive the degrees of Bachelor of Arts and Bachelor of Sciences respectively.

The Mechanical course extends over a period of three years, but students pursuing this course, who wish to prepare themselves for mercantile business, may substitute the study of commercial products for mechanical instruction and practice in the workshop. Students who have completed the Mechanical course may, upon passing a satisfactory examination, remain in the College and enter any class in either the Classical or Scientific course.

Students in the Classical and Scientific courses will be admitted to the workshop after hours of recitation, so far as they can be accommodated, and provided, in the opinion of the Faculty, this additional work does not impede their progress in the courses to which they belong.

There is also a post-graduate course of Civil Engineering extending through two years.

At the time of his admission, every student must present a written statement, made by his parent or guardian, of the course he is to pursue. This statement is registered and filed at the College. A parent or guardian may, however, by a written request, delegate the selection of the course to the President or the Faculty.

The choice of the course of study should be most carefully considered beforehand, as a proper regard for the welfare of the student, and for the settled order and discipline of the College necessarily forbids any subsequent change.

On the following pages the studies of the various courses are exhibited. In addition to the work as outlined, exercises in declamation are held in the chapel every morning, when, as a rule, one Senior, one Junior and one Sophomore speak before the whole College.

CLASSICAL COURSE.

SUB-FRESHMAN CLASS.

FIRST YEAR—FIRST TERM.

	Hours per week.
English Language.....{ <i>Elements of Punctuation, Figures and Versification, Poetical Selections,</i> }	3
Latin..... <i>Allen and Greenough's Grammar, Leighton's Lessons,</i>	5
Geometry..... <i>Davies' Legendre,</i>	5
Botany..... <i>Kellerman</i>	2
Free-hand Linear Drawing.....	3
Elements of Physics (Lectures)..... <i>Cooley,</i>	2
Compositions.	

FIRST YEAR—SECOND TERM.

	Hours per week.
English Language.....	Abbott's "How to Write Clearly,"
Latin	<i>as in first term,</i>
Algebra.....	Wentworth,
Botany.....	<i>as in first term,</i>
Free-hand Linear Drawing.....	3
Elements of Physics.....	<i>as in first term,</i>
Compositions.	2

FRESHMAN CLASS.

SECOND YEAR—FIRST TERM.

English Synonyms.....	Graham,
Latin.....	{ Herbermann's <i>Sallust</i> , Allen and Greenough's Grammar, }
	Prose Composition,
Greek.	Goodwin's Grammar, White's First Lessons,
History.....	Freeman's Historical Course, General Sketch,
Algebra.....	Loomis,
Geometry.....	Davies' Legendre,
Descriptive Geometry.....	3
Zoölogy (Lectures)....	Tenney,

SECOND YEAR—SECOND TERM.

English Synonyms.....	<i>as in first term,</i>
Latin.....	Cicero's <i>Orations</i> , Latin Grammar and Prose Composition,
Greek.....	<i>as in first term, and Goodwin's Xenophon's Anabasis,</i>
History	<i>as in first term,</i>
Geometry.....	Loomis, Davies' Legendre,
Plane Trigonometry and Mensuration...	{ Docharty, Compton's Manual, }
	Loomis' Logarithms,
Zoölogy,.....	<i>as in first term,</i>
Shades and Shadows and Perspective'.....	2
Compositions.	3

SOPHOMORE CLASS.

THIRD YEAR—FIRST TERM.

English Language and Literature.....	Shaw, Clark's Elements,
Rhetoric.....	Bain's Manual,
Logic.....	Jevons,
Latin.....	Frieze's <i>Virgil's Aeneid</i> , Grammar, Prose Composition,
Greek.....	{ Goodwin's Grammar and Anabasis, Arnold's }
	Prose Composition,
History.....	Thompson's History of England,
Chemistry.....	Clowes' Practical and Analytical Chemistry,
Spherical Trigonometry, Surveying and Navigation.....	Docharty,
Free-hand Drawing—Course of Ornament.....	3
Compositions and Declamations.	3

THIRD YEAR—SECOND TERM.

	Hours per week.
English Literature.....	<i>Shaw,</i> 2
Rhetoric.....	<i>as in first term.</i> 2
Logic.....	<i>as in first term,</i> 1
Latin.....	<i>Lincoln's Livy, Grammar, Prose Composition,</i> 2
Greek.....	<i>{ Goodwin's Grammar, Arnold's Prose Composition, Winan's Xenophon's Memorabilia and Plato's Crito,</i> } 3
History.....	<i>as in first term,</i> 2
Chemistry.....	<i>as in first term,</i> 2
Analytical Geometry.....	<i>Peck,</i> 3
Drawing and Study of the Antique and Figure.....	3
Compositions and Declamations.	

JUNIOR CLASS.

FOURTH YEAR—FIRST TERM.

English Language and Literature, Poetry.....	<i>Shaw and Printed Selections,</i> 2
Latin.....	<i>{ Anthon's Horace, Tyler's Tacitus, Agricola and Germania, Grammar, Prose Composition,</i> } 4
Greek.....	<i>{ Goodwin's Greek Grammar, Arnold's Prose Composition, Demosthenes' Orations,</i> } 3
Political Science*.....	<i>{ Lectures, Cooley's and Kent's Constitutional Law, Woolsey's International Law,</i> } 3
Mathematical Physics and Astronomy (Lectures).....	<i>Bartlett, Newcomb,</i> 4
Chemical Physics.....	<i>Pynchon,</i> 2
History (Lectures).....	<i>Eliot's History of the U. S.,</i> 1
Anthropology (Lectures).....	1
Original Declamations.	

FOURTH YEAR—SECOND TERM.

English Language and Literature, Prose.....	<i>{ Brooke, Shaw and Printed Selections,</i> } 2
Latin.....	<i>{ Cicero's Letters, Horace's Satires and Epistles, Prose Composition,</i> } 2
Greek.....	<i>{ Grammar and Prose Composition, Selections from Iliad or Odyssey of Homer,</i> } 3
Optics and Astronomy (Lectures).....	<i>as in first term,</i> 4
Political Economy (Lectures).....	<i>Walker's Political Economy,</i> 3
Chemical Physics.....	<i>as in first term,</i> 2
History.....	<i>as in first term,</i> 1
Anthropology.....	<i>as in first term,</i> 1
Original Declamations.	

*In the Junior year the students in the Classical Course have the option between Mathematics (the Calculus) and Philosophy (Law and Economy).

SENIOR CLASS.

FIFTH YEAR—FIRST TERM.

		Hours per week.
French	{ <i>Robertson's Grammar, Roemer's Polyglot Reader, Roemer's Cours de Lecture, Vols. I, II, Roemer's French Idioms,</i>	
or	{ <i>Glaubensklee's Grammar, Whitney's Reader and Vocabulary,</i>	
German	{ <i>Ollendorff's Grammar, Morales' Reader, Butler's Phrases,</i>	5
or	{ <i>Iriarte's Fables, Roemer's Spanish Polyglot and English Polyglot,</i>	
Spanish		
Latin	{ <i>Crutwell's Roman Literature, Latin Prose, Latin Grammar, Harrington's Plautus,</i>	3
Greek	{ <i>A Play of Æschylus or Sophocles or Euripides, Selections from Herodotus and Thucydides, Jevons' Greek Literature, Grammar,</i>	3
Chemistry	<i>Bloxam, Clowes' Practical Chemistry,</i>	3
{ Psychology	<i>Lectures, Janes' Human Psychology,</i>	4
{ Pedagogics*	<i>Lectures,</i>	
Geology, Mineralogy and Palæontology (Lectures)	<i>Dana,</i>	1
Æsthetics and the History of Art (Lectures)		1
Original Declamations.		

FIFTH YEAR—SECOND TERM.

French	.....	
or			
German	.....	
or			
Spanish	.....	
		<i>as in first term,</i>	5
Latin	.....	<i>Cicero's Academica, Maclean's Juvenal,</i>	3
Greek	.....	{ <i>A Play of Aristophanes, Lectures on the Language and Literature, Jevons,</i>	3
History of Philosophy, Ethics	.....	<i>Lectures with references to Elmendorf,</i>	4
Chemistry	.....	<i>as in first term,</i>	3
Geology, Mineralogy, Palæontology	.....	<i>as in first term,</i>	1
Æsthetics and the History of Art	.....	<i>as in first term,</i>	
Pedagogics (Lectures).*			
Original Declamations.			

*Lectures on the theory of Pedagogics are delivered during the first term by the Professor of Philosophy. During the second term, students have the option of continuing the course in Geology, etc., or attending Lectures on the practice of Pedagogics delivered by the Professor of English.

SCIENTIFIC COURSE.

SUB-FRESHMAN CLASS.

FIRST YEAR—FIRST TERM.

		Hours per week.
English Language.....	{ <i>Elements of Punctuation, Figures and Versification, Political Selections,</i>	3
French.....	<i>Vannier, Robertson's Grammar,</i>	5
Geometry.....	<i>Davies' Legendre,</i>	5
Botany	<i>Kellerman,</i>	2
Free-hand Linear Drawing.....		3
Elements of Physics (Lectures).....	<i>Cooley,</i>	2

FIRST YEAR—SECOND TERM.

English Language.....	<i>Abbott's "How to Write Clearly,"</i>	3
French.....	<i>as in first term, and Cours de Lecture, I,</i>	5
Algebra.....	<i>Wentworth,</i>	5
Botany.....	<i>as in first term,</i>	2
Free-hand Linear Drawing.....		3
Elements of Physics.....	<i>as in first term,</i>	2

FRESHMAN CLASS.

SECOND YEAR—FIRST TERM.

English Synonyms.....	<i>Graham,</i>	1
French	{ <i>Roemer's Cours de Lecture, Vols. I and II,</i> <i>Roemer's Polyglot Reader,</i>	3
{ German.....	<i>Eysenbach's Grammar,</i>	2
{ or	{ <i>Ollendorff, Morales' Reader, Butler's Phrases,</i>	2
{ Spanish.....	<i>Iriarte's Fables,</i>	1
History.....	<i>Freeman's Historical Course, General Sketch,</i>	3
Algebra.....	<i>Loomis,</i>	2
Geometry.....	<i>Davies' Legendre,</i>	3
Zoölogy.....	<i>Tenney,</i>	2
Descriptive Geometry.....		4
Compositions.		

SECOND YEAR—SECOND TERM.

English Synonyms.....	<i>as in first term,</i>	1
French.....	<i>as in first term,</i>	3
{ German.....	{ <i>as in first term,</i>	2
{ or		
{ Spanish.....	{ <i>as in first term,</i>	2
History.....	<i>as in first term,</i>	3
Geometry.....	<i>Loomis, Davies' Legendre,</i>	2
Plane Trigonometry and Mensuration.	{ <i>Docharty, Loomis' Logarithms,</i> <i>Compton's Manual,</i>	3
Shades, Shadows and Perspective.....		4
Zoölogy.....	<i>as in first term,</i>	2
Compositions.		

SOPHOMORE CLASS.

THIRD YEAR—FIRST TERM.

		Hours per week.
English Literature.....	<i>Shaw, Clark's Elements,</i>	2
Rhetoric.....	<i>Bain's Manual,</i>	2
Logic	<i>Jevons,</i>	1
French.. {	<i>Roemer's Cours de Lecture, Vols. I, II; Robertson's Grammar,</i> <i>Sadler's Versions, Roemer's French Idioms,</i>	2
{ German.....	<i>Whitney's Reader, Eysenbach's Grammar,</i>	{
or		3
{ Spanish.....	<i>Iriarte's Fables, Ollendorff, Roemer's Readers,</i>	}
History.....	<i>Thompson's England,</i>	2
Spherical Trigonometry, Surveying and Navigation.....	<i>Docharty,</i>	3
Free-hand Drawing—Course of Ornament.....		3
Chemistry.....	<i>Clowes,</i>	2
Compositions and Declamations.		

THIRD YEAR—SECOND TERM.

English Literature.....	<i>as in first term,</i>	3
Rhetoric.....	<i>as in first term,</i>	2
Logic.....	<i>as in first term,</i>	1
French.....	<i>as in first term,</i>	2
{ German.....		{
or		3
{ Spanish.....		}
History.....	<i>as in first term,</i>	2
Analytical Geometry.....	<i>Peck,</i>	3
Drawing and Study of the Antique.....		3
Chemistry.....	<i>as in first term,</i>	1
Compositions and Declamations.		

JUNIOR CLASS.

FOURTH YEAR—FIRST TERM.

English Language and Literature, Poetry...	<i>Shaw and Printed Selections,</i>	2
{ German.....	<i>Eysenbach's Grammar, Masius' Reader,</i>	{
or		5
{ Spanish... <i>Moratin, Don Quixote, Roemer's Reader, Morales' Reader,</i>		}
Political Science (Lectures)...	{ <i>Cooley's and Kent's Constitutional Law,</i> <i>Woolsey's International Law,</i>	3
Differential and Integral Calculus.....	<i>Peck,</i>	3
Chemical Physics.....	<i>Pynchon,</i>	2
History (Lectures)....	<i>Eliot's History of the U. S.,</i>	1
Acoustics and Optics and Heat (Lectures).....	<i>Bartlett,</i>	3
Anthropology (Lectures).....		1
Original Declamations.		

FOURTH YEAR—SECOND TERM.

	Hours per week.
English Language and Literature, Prose.....	<i>as in first term,</i> 2
{ German..... <i>Eysenbach's Grammar, Wallenstein,</i> }	5
{ or	
{ Spanish..... <i>as in first term,</i> }	5
Political Economy (Lectures)..... <i>Walker's Political Economy,</i>	3
Differential and Integral Calculus..... <i>as in first term,</i>	3
Chemical Physics..... <i>as in first term,</i>	2
History..... <i>as in first term,</i>	1
Acoustics and Optics and Heat..... <i>as in first term,</i>	3
Anthropology..... <i>as in first term,</i>	1
Original Declamations.	

SENIOR CLASS.

FIFTH YEAR—FIRST TERM.

{ Spanish..... { <i>Ollendorff's Grammar, Butler's Phrases, Iriarte's Fables, Roemer's Reader,</i> }	5
{ or	
{ German..... <i>Glaubensklee's Grammar, Oltrogge's Reader,</i> }	
{ or	
{ Latin..... { <i>Latin Grammar, Harkness' Caesar, Herbermann's Sallust, Leighton's Lessons,</i> }	
{ Psychology (Lectures)..... <i>Janes' Human Psychology,</i> }	4
{ Pedagogics..... <i>as in Classical Course,</i> }	
Chemistry..... <i>Bloxam, Clowes,</i>	3
Mechanics and Astronomy..... <i>Bartlett,</i>	5
Geology, Palaeontology and Mineralogy (Lectures)..... <i>Dana,</i>	1
Æsthetics and the History of Art (Lectures)	1
*French or German.....	1
Original Declamations.	

FIFTH YEAR—SECOND TERM.

{ Spanish	{ <i>as in first term,</i> }
{ or	
{ German	
{ or	
{ Latin..... <i>Chace's Cicero, Frieze's Virgil's Æneid,</i>	
Psychology	<i>as in first term,</i> 4
Chemistry	<i>as in first term,</i> 3
Mechanics and Astronomy.....	<i>as in first term,</i> 5
Geology and Palaeontology.....	<i>as in first term,</i> 1
Æsthetics and the History of Art.....	<i>as in first term,</i> 1
French or German	1
Pedagogics..... <i>as in Classical Course,</i>	
Original Declamations.	

*In the Senior year the students of the Scientific Course may, at their option, have one lesson a week in French, or in the second modern language.

THREE YEARS MECHANICAL COURSE.

FIRST YEAR.

		Hours per week.
{ French	{ 1st Term.....	Vannier, Robertson,
or	{ 2d Term, Roemer's <i>Cours de Lecture</i> , Vol. I, Roemer's	
German.....	{ <i>Polyglot Reader</i> ,	Henn's Ahn,
or		
Spanish.....	{ <i>Ollendorff's Grammar</i> , <i>Morales' Reader</i> , <i>Butler's Phrases</i> ,	
Mathematics.....	{ <i>Davies' Legendre</i> , <i>Wentworth's Algebra</i> ,	3
English.....	{ <i>Elements of Punctuation, Figures and Versification</i> , and <i>Short Poetical Selections</i> ,	3
Physics (Lectures).....	Cooley,	2
Free-hand Drawing.....		3
{ Workshop		
or		
{ Physical Geography and Commercial Products.....	{ <i>(Dept. Nat. Hist.)</i>	4

SECOND YEAR.

{ French.....	{ <i>Roemer's Polyglot, Cours de Lecture</i> , Vol. I,	
or		
German.....	{ <i>Eysenbach's Grammar, Bremen Reader</i> ,	
or		
Spanish.....	{ <i>as in first year</i> ,	
Mathematics.....	{ <i>Loomis' Algebra</i> , <i>Davies' Legendre</i> ,	3
English Synonyms.....	{ <i>Graham</i> ,	3
Chemistry.....	{ <i>Clowes, Bloxam</i> ,	2
Drawing.....		3
{ Workshop		
or		
{ Commercial Products.....	{ <i>Dept. Nat. Hist.</i> 2, <i>Chemistry</i> 2,	4

THIRD YEAR.

A Second Modern Language.....		5
English.....	{ <i>Shaw, Bain's Rhetoric</i> ,	3
Algebra, Geometry, Plane Trigo-	{ <i>Loomis' Algebra</i> , <i>Davies' Legendre</i> ,	
nometry and Mensuration....	{ <i>Docharty's Trigonometry</i> , <i>Loomis' Logarithms</i> .	3
{ Chemistry		
or		
{ Commercial Products.....	{ <i>Clowes and Bloxam</i> ,	3
Physics.....	{ <i>Pynchon</i> ,	2
{ Workshop		
or		
{ History and Political Economy.....	{ <i>Freeman, M. G. Fawcett</i> , <i>Macy's Our Government</i> ,	4

DEPARTMENTS OF STUDY.

The following statements are intended to explain the ground gone over in the several departments and the methods pursued.

ENGLISH LANGUAGE AND LITERATURE.

In the Sub-Freshman year, the students are trained in the construction of the English sentence, including Punctuation. The text-book used is *Abbott's "How to Write Clearly."* A number of poetical extracts are memorized after thorough explanation and analysis.

The one hour a week which is allotted to this department in the Freshman year is devoted to the history and character of the English Language, *Clark's Elements* being the guide.

In both terms of the Sophomore Class the history of English Literature is pursued, with *Shaw* as a text-book. *Bain's Rhetoric* is also studied throughout the year.

During the Junior year the study of the English Language and Literature is continued. The chief writers are examined in groups, and the principles of rhetoric learned the previous year are applied critically.

Compositions are required from the students of the Senior, Junior and Sophomore classes, and are examined by the professor himself and by different instructors under his supervision.

LATIN LANGUAGE AND LITERATURE.

This department comprises a longer and a shorter course. The five years course begins, in the Sub-Freshman class, with the elements of the language, and includes the authors generally studied in colleges. That the students of this College are enabled to cover so much ground in five years, is due to several causes. In the first place, they begin the study at a much more advanced age than boys in classical preparatory schools. In the next place, considerable time is devoted to it in the two highest classes, where in many colleges it disappears wholly from the plan of

studies. Again, the training proceeds upon a uniform method from first to last. Lastly, the thoroughness of the College examinations secures classes of nearly uniform acquirements, so that the progress of the class is not retarded by the presence of ill-prepared students.

As the object of all good teaching is to make the scholar independent of the teacher, the department aims, above all else, to impart to the students correct methods. Hence two years are devoted wholly to the study of the prose-writers on which the syntax is based (*Cæsar*, *Cicero*, *Sallust*). Only when the students are able to feel a deviation from the rules there laid down do they take up *Virgil* and *Horace*, and the ante-classic and post-classic writers. To keep before them the ideal of classic prose, some of *Cicero's writings* are read in the Junior and Senior years. To make the study a means of acquiring a more thorough command of the mother tongue, idiomatic translation is insisted on. Whilst grammatical construction is everywhere carefully explained, care is taken that the scholar shall not forget that, in every literature, language is but the dress of thought. Hence the subject matter is explained thoroughly and illustrated by reference to history, mythology, art, social and political antiquities, law and etymology.

A course of one year is open to such of the Scientific Seniors as elect it. Their previous language studies enable them to make rapid progress. They read selections from *Cæsar* and *Sallust*, an oration of *Cicero* and a book of *Virgil*.

GREEK LANGUAGE AND LITERATURE.

The study of Greek is begun in the Freshman year. The students learn the paradigms, the orthography, and the general rules of syntax, complete a course of fifty-five lessons in *White's Lessons in Greek*, and read two chapters of the first book of the *Anabasis*.

In the Sophomore year Etymology and the general rules of Syntax are thoroughly reviewed and the details studied. There are weekly exercises in the elements of Greek prose composition.

Selected passages are read in the first four books of the *Anabasis*, the *Memorabilia* and a dialogue of *Plato*; about fifty pages in all. In the first the attention of the students is directed to the historical and geographical allusions, and in the last two, in addition to these, to the doctrines and opinions propounded. During this year a parallel is drawn between the Greek and Latin syntax, thereby greatly aiding the student; and the difference of the English idioms dwelt upon.

In the Junior year the exercises in composition are continued. Attention is directed to the formation of words. Either three popular orations of Demosthenes or selections from the *De Corona* are read, with attention to history and geography, and a critical analysis of the orator's style. About two books of either the *Iliad* or the *Odyssey* are read, attention being given to the scansion and Homeric syntax and dialect; and the Homeric question is presented.

The Seniors read selections from Herodotus and Thucydides, accompanied with criticism of the styles and short lectures on the historical episodes discussed. Also there are read portions of a tragedy, and an entire comedy. Lectures are given on the drama and theatre, and on the Greek Language and Literature.

FRENCH LANGUAGE AND LITERATURE.

In the Scientific course, French is studied by all the students during three years, and optionally by some a fourth year.

In the first term of the Sub-Freshman year, the course is merely practical, and little attention is paid to the grammar. To this the student is introduced more particularly in the second term, during which the exercises include written translations of easy French narratives and the construction of French sentences according to grammatical rules.

In the Freshman year, the work consists, *first*, of oral translation from the French, based upon logical and grammatical analysis, and aiming at the idiomatic rendering into English of the foreign text; *second*, of retranslation and phraseological exercises, both by imitation and by application of the grammar.

In the Sophomore year, the time is devoted, *first*, to the written translation of English selections into French; *second*, to the reading of passages from modern novels and plays; *third*, to giving oral and written *résumés* of these passages.

In the optional Senior course of one hour weekly, some short work of modern prose is read critically, and a series of lectures is delivered on the history of the French language and of the Norman-French in England.

For students of the Classical course who elect French in the Senior year, the course is so modified as to apply to advantage their previous training, especially their knowledge of Latin.

The students in the Mechanical division follow the course above laid down for the Scientific students with appropriate modifications.

The text-books used in this department are *Robertson's Method* and the professor's *Cours de Lecture, Etude Raisonnée, Contes et Mélanges* and *Polyglot Reader*.

GERMAN LANGUAGE AND LITERATURE.

Eysenbach's Grammar is introduced at the beginning of the Freshman year—during which it is the only book put into the students' hands—continued at the rate of one lesson a week through the Sophomore year, and of two lessons a week through the Junior year, at the close of which it is completed. In the Sophomore year, and the first term of the Junior year, selections in prose and verse are read; and in the second term of the Junior year one of Schiller's tragedies. Those students who choose to continue in this department through the Senior year read a comedy, a short novel, or something of Goethe's, and a scientific essay; they are exercised in composition and conversation.

In the one year Senior course, also, the work proceeds in the directions above stated; but, of necessity, is less extended.

In the Mechanical and Commercial classes the work is begun by the study of *Henn's Ahn*; in the second year a Reader is added; the pupils are made acquainted with technical terms and business forms; and a special effort is made to get them to speak.

In all the courses poetry is memorized, and prose is so learnt that the students can reproduce the German when the teacher gives the translation.

SPANISH LANGUAGE AND LITERATURE.

The study of the Spanish language and literature is carried on in all three courses—the Classical, the Scientific, and the Mechanical.

The Scientific students begin Spanish in the Freshman year. The elements of the language are acquired by the study of selections from *Butler's Phrase Book*, and the reading of selections in prose and verse from *Iriarte* and *Morales' Reader*.

In the Sophomore year, *Quintana's Lives* are read, exercises in dictation are added, and *Sales' Grammar* and *Pizaro's Phrases* are issued.

The Juniors review the grammar by the study of Sales' work; they translate Moratin's comedy, *El si de las Niñas*, and selections from *Don Quijote*; make oral and written translations of English selections of various styles; write Spanish compositions; and study Spanish versification and literature.

The work of the Classical students in the Senior class does not differ materially from that outlined above, except as it is affected by the shortness of the course; which is, however, in a degree compensated for by the greater maturity and better preparation by the class.

Spanish is also taught in the three years Mechanical course. The instruction is in the main the same as in the Scientific course; but it is also adapted to the special wants of the students.

In all the classes practical exercises in dictation, translation, analysis, composition and conversation are considered of great importance.

HISTORY.

The History course extends through the Freshman, Sophomore and Junior years. The Freshman class study *Freeman's General*

Sketch, completing and reviewing the book, with map illustrations and exercises.

This general view of the history of Europe is succeeded, in the Sophomore class, by the thorough study of English history. *Thompson's History* is taken as the guide, but the professor adds largely, by explanation and lecture, to the matter contained in the text-book.

In the Junior year lectures are delivered upon American topics—the aim of the course being not only to extend the student's knowledge in this field, but also to lead him into critical and comprehensive methods of studying the history of his own country. The important events from the period of discovery to the present times are examined mainly with reference to their causes and influence, while due attention is paid to institutional history. Topics such as the following are treated: The gradual unfolding of the New World to the Old; the struggle for possession here by European powers; Colonial life and tendencies; the growth of liberty and of local self-government, involving the relation of American history to English; the Revolution; the new order of things; history of American politics, etc. Students are called upon to discuss the subjects in the class-room, where they also become familiar with the standard and, as far as possible, original authorities on American history. *Eliot's History of the United States* is used as a reference-book.

The Historical Cabinet contains a collection of electroypes of nearly four hundred of the finest ancient coins in the British Museum; the obverse and the reverse of each coin being shown. The arrangement exhibits, chronologically and geographically, the history of coinage from 700 b. c. to the Christian era. An additional section, one of a small number yet seen in the United States, exhibits the most famous medallions struck from A. D. 1 to 217. The whole collection is the gift of the class of '75.

PHILOSOPHY.

The studies in this department are commenced in the Sophomore year. Logic, deductive and inductive, is then studied, as a

discipline preparatory to the whole course. *Jevons' Lessons* is used as a text-book, and the students are taught to practically apply logical principles by means of numerous exercises, written and oral.

The philosophical studies of the Junior year are in the field of political and social science. The first term is devoted to political science. A course of lectures is given, indicating the foundations of law and government in human nature, tracing the growth of law and governmental forms and the development of the modern constitutional state, and discussing questions in the philosophy of government and legislation. American constitutional law is studied in *Cooley's* and *Kent's* expositions, with comparison of our own with other systems. A brief view of international law is given with the aid of *Woolsey's* manual. In the second term economic science is taken up; the intimate connection of the economic with the political structure and development of society having already been considered, the study continues to be one of social development, but in its economic phase. Walker's text-book is used, with extended comments, and lectures are given on special topics, such as the money system of the United States. U. S. Finance Reports have been furnished for study.

The Senior year studies are, Psychology, Philosophy and Ethics. The principles of Pedagogics, as based in Psychology, are treated of, in connection with Psychology, but in a separate course of lectures, on theory of teaching (methods of teaching being assigned to another department).

The instruction of the year is chiefly by lectures, with selections from manuals and with directions for reading. In Psychology, the aim is to present a descriptive view of the phenomena and laws of mental action, and also, without dwelling much on philosophical questions, to make the study lead up to philosophy. The positions of different schools on controverted points are noticed. Attention is given to physiological psychology.

The subjects of the second term are, General Philosophy and Ethics. The philosophical doctrines and systems of most historic importance are, as far as time admits, examined and the develop-

ment of speculative thought traced, to aid in elucidating the principal questions now discussed by philosophers. In ethics, a concise historical and critical review of ethical theories precedes the discussion of select topics in practical ethics; *e. g.*, duties toward the liberty and concerning the property of others.

Theses on assigned topics in the course are prepared and discussed by students during the Junior and Senior years.

MATHEMATICS.

The Sub-Freshman Class study *Davies' Legendre* through the fifth book, with additional problems and theorems from the appendix and elsewhere, and *Wentworth's Algebra* from the beginning to Arithmetical Progression.

The Freshman Class complete the Geometry; they study Mensuration and Plane Trigonometry, using *Docharty's Treatise* as a text-book, and higher Algebra, including the theory of Logarithms from *Loomis' Treatise*; and are practiced in logarithmic computation, using *Compton's Manual*.

In the first term the Sophomore Class go through *Docharty's Spherical Trigonometry, Surveying and Navigation*, and in the second term, *Peck's Analytical Geometry*, embracing the Geometry of Three Dimensions as far as Surfaces of Revolution.

Mathematics is not obligatory upon Classical students beyond the Sophomore year; but such as may elect to pursue the study join the Scientific students in the study of Calculus, which is the work of the Junior year. *Peck's Treatise* is used as a text-book, and is completed as far as the Applications to Mechanics and Astronomy.

The students of the Mechanical and Commercial courses take, in their first year, four books of *Davies' Legendre* and as much of *Wentworth's Algebra* as the time given will enable the class to complete. In the second year the Algebra and Geometry are both continued, and as many practical construction exercises in Geometry are given as the time will allow. The course in the third year includes further exercises in Geometry, and also Plane Trigonometry and Mensuration.

APPLIED MATHEMATICS.

In the Scientific course the studies of the Pure and Applied Mathematics are designed to afford the student such intellectual training, and such knowledge of Mathematics, Mathematical Physics, Mechanics and Astronomy, as to materially lessen the time that will be required for the study of a specialty in any of the schools of Civil, Mechanical or Mining Engineering. A graduate of good standing in the Scientific course will be able to master the studies pursued in such schools in two years or less.

In the Junior year, while the student is acquiring in the department of Pure Mathematics the knowledge of the Calculus necessary for the study of Analytical Mechanics, he attends recitations and lectures in Acoustics and Optics, only such elementary mechanical principles being taught as are necessary to the understanding of these subjects. In the Senior year *Bartlett's Analytical Mechanics* is studied during the first term. Much additional matter is given in the way of illustrations and mechanical problems, to enable the student to apply the principles studied to practical ends. In the second term the subject pursued is Spherical Astronomy. The endeavor is made to show how the science has grown up, how its discoveries have been made, how it explains the phenomena of the heavens; to teach the general principles of the adjustment and use of instruments, and the methods of making and recording observations, and the applications of astronomy to the uses of the navigator and the surveyor.

The scope of instruction in the Classical course is less extended. All that is sought is to give a general idea of the principles of Mechanics, Acoustics, Optics and Astronomy, with very little mathematical analysis. Of the four hours per week allotted, in the Junior year, to this department in this course, three are generally given to lectures and one to recitation.

The Post-graduate course in Civil Engineering extends over a period of two years, and is open to students of special excellence in the Scientific course. It embraces a thorough course in the principles of engineering construction, the strength of materials, the theory of roofs and bridges, the operations of surveying, the

adjustment and use of instruments, engineering and topographical drawing, and the preparation of plans, specifications and estimates. The students are exercised in field work, partly under the direction of the professor and partly in connection with engineering works which may be in progress in the vicinity.

CHEMISTRY AND PHYSICS.

The instruction in Chemistry is divided into an elementary and advanced grade and a course on Commercial Products.

The first is open to the students of the Sophomore Class and of the second year of the Mechanical course. Two hours a week are spent in the large Laboratory recently erected. *Clowes' Practical Chemistry* is the text-book followed, and the students are provided with all the necessary apparatus to perform the experiments described. Manipulation of the gases is succeeded by a complete course in qualitative analysis.

The advanced grade is for the students of the Senior Class and of the third year of the Mechanical course. Three hours a week are given to the study, one lecture on General Chemistry, and two hours in the Laboratory. *Bloxam's* is used as a text-book of Chemistry, while *Clowes' Practical Chemistry* serves to complete the study of qualitative analysis. Through the study of Chemical Physics described below, the students of the advanced Chemical course are enabled to make use of apparatus essential to the thorough study of General Chemistry. In addition to the problems in qualitative analysis and chemical physics, the advanced grade provides for instruction in the outlines of Applied Chemistry, and of volumetric and quantitative analysis.

The course on Commercial Products is open to the students of the second and third years of the Commercial Class. It consists of two hours' lecture and two hours' laboratory per week during the second year, and five hours the third. These five hours are divided between Chemistry (3) and Physics (2), as described for the students pursuing the other courses. The chemical lectures (two per week) are intended to impart a knowledge of General

Chemistry, with special reference to manufacturing processes and the raw products used in the various industries.

During the first term the laboratory work is essentially that followed by the students of the other classes. When the students have acquired sufficient skill in manipulation, their work is directed to practical tests for determining the character and quality of the goods most frequently met with in the markets of the world. In the third year the students of this class join those of the other courses in the study of Chemical Physics, while they continue their special course in Chemistry.

The equipment of the Laboratory is very complete, and its arrangement and that of the desks offer many facilities. The Lecture-room, which adjoins the Laboratory, is provided with all the necessary conveniences for lecture illustration. There is an extensive collection of the most important chemical elements, and their compounds; also a collection of the ores and other natural specimens illustrating the chief forms in which the elements occur. Both these collections receive constant additions. The College now owns one of the most extensive and valuable sets of charts in the country, made by draughtsmen specially employed. The Preparation Laboratory contains a collection of numerous chemical products, forming a Museum of Manufactures.

The subjects of Heat, Light and Electricity, and such other parts of Physics as have a direct bearing on Chemistry, are also taught in this department.

Two lectures are given each week on general experimental physics to the students of the Sub-Freshman Class. These lectures are very fully illustrated by experiments and charts. The students are required to take notes, and are marked upon the correctness and fullness of the same. *Cooley's Physics* is given as a text-book for home study. Many simple experiments, capable of repetition at home, are presented, and the advice given to the students to construct apparatus and make experiments is found to be followed in many instances.

The students of the Junior Class and of the third year of the Mechanical course listen to one lecture a week, and have one hour

in the Laboratory devoted to study of themes bearing either upon the generation of the forces of nature, or of those closely allied to the thorough comprehension of Chemical Physics.

The Cabinet of Physical Apparatus is now well provided with instruments, having received large additions during the past two years. A special Laboratory for the manipulation of the apparatus adjoins the one used for Chemistry. Besides this, there is a Balance-room, which contains some fine instruments. A Dark-room serves for demonstration in the use of the Spectroscope and Polariscopic and in Photography. There is also a Photo-metric room. The Photometer is arranged for the comparison of two gases as well as for the determination of the candle-power of one. The College dynamo-machines, three in number, supply the electric currents necessary for experimentation and lantern projection.

Pynchon's Chemical Physics is used as the text-book for the advanced grade. Notes must be taken of the lectures, and also of the experiments performed in the Laboratory, and reports from these submitted.

NATURAL HISTORY.

The arrangement of the studies in this department is as follows :

SUB-FRESHMAN—Botany.	Two hours per week.	Text-book— <i>Kellerman</i> .
FRESHMAN—Zoölogy.	Two hours per week.	Text-book (<i>Tenney</i>) and Lectures.
JUNIOR—Anthropology.	One hour per week.	Lectures.
SENIOR—{ Mineralogy, Palaeontology, } Geology.	One hour per week.	Text-book (<i>Dana</i>) and Lectures.

As the object of the instruction is to teach the students to observe carefully, to record accurately—to know the thing *itself*—the class-room work is made, as far as possible, practical.

The course is essentially a *biological* one. The general relations of the inorganic and organic worlds, the phenomena of life, and the structure and life-history of typical plants and animals are taught.

A good museum furnishes a great part of the material needed for illustration and study. Mounted specimens, photographs and dissections prepared in the College are being constantly added.

In the three years' course, the subject of commercial products embraces the study of raw and manufactured products. The former belongs to the Department of Natural History, and divides itself into four parts, viz.:

1st. The consideration of raw materials from the mineral kingdom; as metals, ores, coal, petroleum, etc.

2d. Of those from the vegetable kingdom; as grain, timber, textile fabrics, tea, coffee, etc.

3d. Of those from the animal kingdom; as silk, wool, fur, hides, meat, etc.

4th. The consideration of the sources of supply and lines of conveyance, or what is generally known as "Commercial Geography."

The *first* division of the subject is taught practically, by the examination of the things themselves.

The *second* division, or "Economic Botany," begins with the study of the relations of the vegetable and mineral kingdoms, and of the nutrition and reproduction of plants. This is followed by the study of their parts, their uses and products.

The *third* division, or "Economic Zoölogy," is taught in the same manner as the first and second.

A half-term of thirty-two lessons is assigned to each part.

MUSEUM OF NATURAL HISTORY.

The collections contain 6,000 specimens: 550 of plants, 250 of vertebrata, 1,600 of invertebrata, 2,000 of minerals, and 1,600 of minerals, rocks and fossils.

A number of geological and mineralogical specimens have been added to the collection during the past year, and many objects for instruction in the Collegiate and Commercial courses. For these the necessary case-room has been provided.

In addition to the material purchased by the College, the following gifts have been made:

1. Birds' Eggs (Collection of), . . . Mr. Bashford Dean.
2. Brush-making Materials, . . . Messrs. F. W. Devoe & Co.
3. Conchological Specimens, . . . Smithsonian Institute.
4. " " Mr. Townsend Harris.
5. Corals of Florida (Collection of), Lieut.-Col. Walter McFarland, U. S. A.
6. Craniological Specimens, . . . Smithsonian Institute.
7. Entomological Collection, . . . Mr. Bashford Dean.
8. Grain (Specimens of), . . . New York Produce Exchange.
9. Leathers (Fancy), . . . Messrs. Tiffany & Co.
10. Linens, Silks, Furs, Cottons, . . . " E. J. Denning & Co.
11. Miscellaneous Textile Fabrics, . . . " Claflin & Co.
12. Unios of the United States, . . Dr. Isaac Lea, Philadelphia.
13. Vegetable Fibers, . . . Mr. J. H. Hollis, Cotton Exchange.
14. Woods (Foreign and Fancy), . . Messrs. J. L. Daniels & Co.
15. Woolen Fabrics, . . . " Arnold, Constable & Co.
16. Wools, . . . " Mangers & Avery.
17. Fossils of S. Carolina (Collection of) Mr. Wm. T. Rodenbach.
18. S. American Woods (60 Specimens) Messrs. T. D. & L. Hirsch.
19. Fossils and Reptiles, . . . Professor S. Woolf.
20. Birds of State of N. Y. (100 Spec.), Mr. Louis A. Zeraga.

DESCRIPTIVE GEOMETRY AND DRAWING.

The Sub-Freshman Class is practiced in drawing in outline from the flat and the round; in surface shading in crayon or pencil, and in elementary perspective. The students draw geometrical forms, architectural and other ornaments of various styles, and the human head.

The Freshman Class is instructed in Descriptive Geometry. No text-book is used; but the professor's *Elements of Descriptive Geometry* may be used as a book of reference. The instructor lectures and demonstrates at the blackboard; each student solves every problem graphically in his drawing-book. The subject is carried through Sections and Intersections, Tangency and Development, and is applied to carpentry, machinery and architecture. Practice in tinting and in drawing from actual models of machinery is given from time to time. In the second term, the subjects pursued are Shades and Shadows, and Perspective. Shadows are determined in artificial and natural light; the principles of reflection are taught. Application is made occasionally to mechanical, architectural and artistic drawing.

In the Sophomore year, the students draw from the Cast, either

ornaments or organic forms, according to individual ability ; they shade in charcoal, crayon, etc.

The professor delivers to the Senior Class a series of lectures on *Aesthetics*, and the History of Art and the several arts.

The casts belonging to this department are very fine, most of them having been taken from early molds. The collection contains many beautiful examples of the Phidian era, the most notable being a large number from the frieze of the Parthenon, and a few of the best-preserved metopes ; the heroic statues of Theseus and Cephisus, a caryatid from the Erechtheion. These copies of the Elgin Marbles were given by Charles M. Leupp, Esq. There are, furthermore, the busts of Jupiter from Otricoli, the Venus of Milo, the Venus of Arles, Juno, the Apollo Belvedere, the Belvedere Torso, and examples of the work of Michael Angelo, Cellini and Thorwaldsen.

This department participates with the departments of Latin and Greek in the use of a collection of about 275 photographs, the gift of the class of '75, framed and hung in the halls of the College, illustrating the architecture and sculpture of the Greeks and Romans, early Christian and renaissance painting in Italy, and a number of the most noted buildings of all European countries. Each print is marked with the name, the date of production and the present location of the subject represented. The College has lately purchased a number of photographs illustrating East Indian architecture.

THE LIBRARY.

The Library of the College contains 23,869 volumes. These are distributed as follows :

Philosophy,	972	Greek Literature,	610
Theology,	912	Roman "	698
Mathematics,	378	French "	681
Science,	2,867	Spanish and Italian Literature	273
History,	4,620	German Literature,	913
Biography,	1,552	Philology and Linguistics,	735
Voyages,	1,055	Works of Reference,	574
Art,	830	Bibliography,	171
Law,	360		
English Literature,	2,982	Total,	23,869
Periodicals,	2,686		

Books may be taken from the library by the students as well as the instructors ; by the Alumni upon a deposit of ten dollars ; and by the teachers of the common schools of the city.

The books have been purchased with the money apportioned to the College, while known as the Free Academy, as its share of the Literature Fund of the State ; from the income of \$5,000 bequeathed by Mr. Ephraim Holbrook ; from the income of \$30,000 bequeathed by Mr. Seth M. Grosvenor ; and with money which has at various times been appropriated by the Board of Trustees. Many books have been presented by publishers and others.

THE WORKSHOP.

Connected with the College is a workshop, in which instruction is given in the elements of mechanical manipulation. The course of workshop instruction extends over three years. In the first year the use of wood-working tools is taught. The student becomes acquainted with all the ordinary wood-working tools, and learns to fashion wood exactly to any required form and dimensions ; to make joints of all kinds ; to veneer, finish and polish. In the second year the metal-working tools are used, and the arts of forging, chipping, filing, soldering, finishing and lacquering are learned. In the third year the working of metals is carried further ; the use of the lathe in turning wood and metal is learned, the slide-rest and the engine-lathe are introduced, and the use of these tools in the making of screws, gear-wheels and other parts of machinery is taught.

The object of the entire course is to furnish the student with such manual skill, and such a general knowledge of the tools and methods of working in the arts in which wood and metal are employed, as will give him an intelligent comprehension of any mechanical operation or device, and enable him, with proper study and practice, to master any handicraft or mechanical profession to which his attention may be directed in after-life.

The instruction in the mechanical arts is given either in the regular College course or in a special mechanical course of three

years. In the first case the student takes the workshop instruction and practice after College hours, and in addition to his College studies. In the second, which is designed for those who are unable to take the full College course, his time is about equally divided between academic studies on the one hand, and drawing and workshop practice on the other. The superior training in mathematics and literature obtained in the College course, makes the first plan decidedly preferable for all who can pursue it, and it has been found, by experience, that the student, unless he is burdened with other work outside the College, is not in general overtasked by taking the workshop instruction in addition to his College studies, since it imposes on him no work to be done at home, and actually serves as recreation and exercise.

The workshops are three in number. The first, for wood-working, has an area of 1,300 square feet, and contains fifteen double benches, with closets and tools for a class of thirty. The second, for forge and vise-work, has an area of 820 square feet, and contains six Buffalo forges, twenty anvils, and two long benches with fifteen vises, and an assortment of forge and vise tools, and affords accommodation for a class of from fifteen to thirty students. The third, for lathe-work, has an area of 720 square feet, and contains six grindstones, twenty-six lathes for wood and metal-working, four engine-lathes and a circular saw. The shops are illuminated by electric lamps, and the lathes and grindstones, as well as the dynamos which supply the light, and the ventilating fans, are driven by a steam-engine of twenty-five horse power.

DISCIPLINE.

Every student is expected to give serious attention to the work of the College, and to allow his fellows to do the same; not to disturb the order and quiet necessary in the class-room, nor to do anything derogatory to the dignity of an institution of learning. Violations of the rules of the College and of propriety are visited with punishment, which varies according to the gravity of the

offense, from demerit-marks and formal admonition to suspension by direction of the President, and dismission by vote of the Faculty. No student is demerited without receiving notice of the fact and the reason. A student who has received 100 demerit-marks in one term, or 175 in one academic year, must leave the College.

EXAMINATIONS.

There are two examinations of all the students in all departments each year. The first is held at the close of the first term in January. It extends over a fortnight, and is really a rapid review of the studies of the term. It is conducted by means of oral recitations, and in accordance with the scheme of recitations pursued during the term. The difference lies mainly in the greater length of the daily lessons and the omission of explanations on the part of the instructor. If, upon the termination of this review, it appears to the Faculty that a student has fallen so far behind as to make it unprofitable for him to attempt to proceed, or to make him a drag upon his class, he is not allowed to continue with it. The second examination is held at the close of the second term, in June; it extends over eight working days. It is conducted mainly in writing, so that all the students in the class are tested at the same time and by the same tests. The results of the examination are carefully considered by the Faculty. Those students who have done but indifferently in all or many of the studies, and those also who are seriously deficient in several, and it may be in only one, are not advanced. They may, if their parents desire it, devote another year to the same division of the course; but no student is allowed to go over the same grade more than twice.

ALLOWANCE OF MARKS.

1. No student who is absent from any College exercise during the term, except as stated in Rule 3, shall receive any mark for the same, until he has given to the President a sufficient explanation

of his absence, and to the professor satisfactory evidence, *within one week after such absence*, of having performed the duty assigned for the time of his absence.

2. No marks shall be allowed for absence more than twice in any one term, nor for more than five consecutive days of absence in one term, except on a vote of the Faculty in each case.

3. For one day's absence in each term the President may, at his discretion, direct that a student shall be allowed his average mark for the fortnight in which such absence occurred.

4. In the Examination Review, marks may be allowed for absence of two days, and no more, if the student pass an examination in the work of the days of his absence.

5. A student absent from the Examination for Advancement, for good cause, may be examined subsequently for the purpose of determining whether he shall be advanced or not. But no mark shall be given for such examination. At the close of the student's course, however, the Faculty, may, on his application, allow for the examinations from which he was absent the average mark of the student in all the examinations in the same department.

MERIT ROLL.

The Merit Roll is made up immediately after the second examination, and is published once a year. On this roll each student is ranked according to his standing in his class, determined by his merit-marks received for study and conduct during the two terms and at the examinations.

The Merit Roll maximum for each term in any subject is ascertained by multiplying the number of recitations a week in that subject by one hundred ; one-half of this maximum is for the term work, and one-half for the examination.

The maximum of conduct for a term is two hundred, and the conduct-mark of each student is determined by deducting from such maximum all his demerit-marks.

On the Merit Roll the students are classified as Highest, High, Good, and Low.

The student who has the greatest number of marks in his class ranks Highest.

Students rank High the total of whose marks, in study and conduct together, equals or exceeds eight-tenths of the maximum.

Students rank Good the total of whose marks equals or exceeds six-tenths of the maximum.

The remaining students rank Low.

A copy of the Merit Roll is sent to the parent or guardian of each student.

COMMENCEMENT.

The Commencement of the College is held on the Thursday preceding the first of July.

COMMENCEMENT HONORS.

1. Not more than six orations and dissertations shall be delivered by the students at Commencement.
2. No oration or dissertation shall occupy more than ten or less than seven minutes in its proper delivery.
3. The orators at Commencement shall be the first six members of the Graduating Class in rank, counting from the beginning of the Freshman year to the close of the Senior year.
4. The Valedictory oration shall be the first honor, and the Salutatory shall be the second ; the remaining honorary orations shall be numbered according to the rank of the students.
5. If any of these Honor-men, except the Valedictorian and the Salutatorian, have not received eight-tenths in Oratory (Composition and Delivery) during the Senior year, their names shall be entered on the programme, marked Excused, and suitable substitutes, in order of rank, shall be appointed.
6. When the student below the sixth rank is thus appointed, his oration shall be entered on the programme as a dissertation. The dissertations shall be numbered according to the rank of the students appointed to deliver them.

MEDALS AND PRIZES.

THE PELL MEDALS.

In 1849, Duncan C. Pell, Esq., by the gift of \$500, established a gold medal, to be awarded annually to the student who shall rank highest in all the studies of the year taken together; and in 1856, the donor authorized the trustees of the fund to devote a portion of the income to the provision of a silver medal, to be given to the student who shall rank second.

Trustees of the Fund:

THE CHAIRMAN OF THE BOARD OF TRUSTEES OF THE COLLEGE.

THE PRESIDENT OF THE COLLEGE. THE HON. ABRAM S. HEWITT.

THE CROMWELL MEDALS.

In 1850, Charles T. Cromwell, Esq., by the gift of \$500, established a gold medal, to be awarded annually to the best scholar in History and Belles-Lettres; and in 1856, the donor authorized the provision of a silver medal for the second scholar.

Trustees of the Fund:

THE PRESIDENT OF THE COLLEGE.

THE PROFESSOR OF HISTORY. THE HON. STUYVESANT FISH.

THE WARD MEDALS.

In 1853, Augustus H. Ward, Esq., established twenty bronze medals, to be awarded annually, each for one of the studies appointed, to the student of most proficiency therein, provided he shall have regularly pursued such study for not less than two months of the collegiate year then closing; a student gaining one medal not to be precluded from obtaining others at the same time or subsequently.

The subjects are : Chemistry, Natural History, Natural Philosophy, Philosophy, Political Science, English, Greek, Latin, French, Spanish, German, Oratory, Composition, Logic, Astronomy, History, Drawing, Algebra and Geometry, Descriptive Geometry, Hygiene.

Trustees of the Fund :

THE EXECUTIVE COMMITTEE OF THE BOARD OF TRUSTEES.

THE RIGGS MEDALS.

In 1864, Elisha Riggs, Esq., by the gift of \$1,000, established a gold medal, to be annually awarded to the author of the best English Prose Composition in the Senior Class, and a gold medal to be awarded to the author of the best English Prose Composition in the Junior Class ; any surplus of income to be applied by the trustees to further, in any way they may think best, the design of the donor to stimulate the cultivation of English Composition in the College of the City of New York. The competition is open to all who have received not less than four-fifths of the maximum in English Composition from the beginning of the Junior year. The names of the competitors must be handed to the President on or before the second Monday in February. The essays must be handed in on the first Monday in June.

Trustees of the Fund :

THE PRESIDENT OF THE COLLEGE.

THE PROFESSOR OF HISTORY.

THE PROFESSOR OF THE ENGLISH LANGUAGE AND LITERATURE.

THE CLAFLIN MEDALS.

In 1871, John Claflin, Esq., by the gift of \$1,250, established two gold and two silver medals, to be awarded as follows :

A gold medal to the student of the Senior Class who shall pass the best competitive examination in Greek ; a gold medal to the

student of the Junior Class who shall pass the best competitive examination in Latin ; a silver medal to the student of the Freshman Class concerning whom the Professor of Greek shall certify that he has made the greatest proficiency in that department ; and a silver medal to that student of the Freshman Class who shall receive a corresponding certificate from the Professor of Latin.

Trustees of the Fund :

THE PRESIDENT OF THE COLLEGE.

JAMES P. LOWREY, ESQ.

EUSTACE W. FISHER, M.D.

PRIZES FOR DECLAMATION.

PROSE.

In 1852, the President of the Board of Education offered a prize for excellence in public speaking, to be called the PRIZE OF THE PRESIDENT OF THE BOARD OF EDUCATION ; and the successive Presidents of the Board have continued it.

The six speakers contending for this prize are chosen by their classmates, two from each of the three higher classes. Only such students are eligible as have not received fifty demerit-marks during the first term, or twenty-five during the second term preceding the day of the election. They speak selected pieces. The prize is awarded by a committee of gentlemen having no relation to the College, and selected by the donor.

POETRY.

Since 1855, a gentleman of this city has offered a "Prize to the best Declaimer of a Selected Poem," the competitors to be selected, one from each of the three higher classes, by the students of said classes respectively ; the declamations to be delivered at the same time as the prose declamations, and the award to be made by the committee selected to confer the prize in prose speaking.

The Prize Speaking is usually held on the Monday preceding Commencement. The successful Riggs essayists read their essays on the same occasion.

THE LOCKWOOD PRIZE.

Since 1857, George R. Lockwood, Esq., has offered an annual prize for the best translation from French into English. The translators contending for the prize are elected from and by the students in the three higher classes who have studied French in the College, two from each class. The translation is made after the Summer examination, on a day appointed by the President, and within a given time, not exceeding three hours. The passage is selected by the Professor of French, and the translation is judged, with regard to the interpretation of the original text, by the Professor of French, and the English diction by the Professor of English. The President and these two professors form the Committee of Award.

THE KELLY PRIZES.

In 1868, James Kelly, Esq., by the gift of \$1,000, established two prizes. One prize is given to the best debater in the Literary Societies; three contestants being chosen by the Clonian Society, and three by the Phrenocosmian. The President of the Board of Trustees selects the subject and submits it to the Faculty for approval. The debate is held in the College Chapel during the week preceding Commencement.

The other prize is given to the member of either society who shall write the best critique on some work of English literature. The subject is announced before the Christmas vacation, and the essays must be handed in on the first Monday in June.

The judges of the debate are selected by the President of the Board of Trustees; the judges of the essays are the President of the College, the Professor of History and the Professor of the English Language and Literature.

Trustees of the Fund:

THE BOARD OF TRUSTEES OF THE COLLEGE.

THE BELDEN PRIZES.

In 1883, William Belden, Esq., by the gift of \$1,000, established prizes for excellence in Pure Mathematics. The nature of the prizes and the terms of their award are to be determined from time to time by the President of the College and the Professor of Pure Mathematics.

At present the following prizes are to be awarded annually on Commencement Day, in the Junior and Sophomore Classes:

1. A gold medal to the student in each class of greatest proficiency in the studies of the department during the year. This greatest proficiency is to be determined either from the marks for recitations and on examinations, or by a special competitive examination, as may in each case seem best to the trustees.
2. A silver medal to any other student, in either class, whose aggregate marks for recitations and on examinations shall reach ninety-five per cent. of the maximum.

Trustees of the Fund:

THE PRESIDENT OF THE COLLEGE.

THE PROFESSOR OF PURE MATHEMATICS.

THE F. W. DEVOE & CO. PRIZES.

In 1885, Messrs. F. W. Devoe & Co. offered two prizes, each to consist of a set of drawing instruments of the value of twenty-five dollars, for proficiency in the Mechanical Arts. They are to be awarded by a committee, consisting of the President of the College, the Chairman of the Executive Committee of the Board of Trustees, and the Professor of Applied Mathematics, to the student of greatest merit in the first and second years respectively, of the Workshop course. Students of the Classical and Scientific courses, as well as students of the Mechanical course, may compete. The merits of the competitors are to be judged by the excellence and quickness of their work, and by the improvement made by them during the year.

CLASSICAL SCHOLARSHIP.

This College being, through the action of its officers and Alumni, associated with the following universities and colleges, viz.: Amherst, Brown, Columbia, Harvard, Johns Hopkins, Princeton, Wesleyan, and Yale, in support of the American School of Classical Studies at Athens, the School is open to any properly qualified graduate of this College. Those desiring to avail themselves of this privilege should apply to the Professor of Greek for information and a certificate of scholarship.

DEGREES.

The degree of *Bachelor of Arts* is conferred on those students who have completed the Classical course; that of *Bachelor of Sciences* on those who have completed the Scientific course.

The Faculty recommends no student for a degree whose average standing in the studies of the Senior year has fallen below six-tenths of the maximum. Every member of the graduating class is required to write a composition for oral delivery, to be sent in four weeks before Commencement.

A Bachelor of Arts or of Sciences may be recommended for the degree of Master of Arts or of Sciences on the following conditions:

1. He shall, at the date of the Commencement at which the degree is to be conferred, have been graduated at least three years.

2. He shall have been engaged for at least two years in the study of some literary or scientific subject, and shall furnish, as evidence of such study, either the diploma of the college or school which he has attended, or a detailed statement of the subjects and books which he has studied.

3. He shall present to the Faculty, at least six weeks before the Commencement, a thesis, satisfactory both in matter and style, on some subject connected with his studies, accompanied by a declaration that such thesis is his own work.

THE ASSOCIATE ALUMNI.

The College has graduated in thirty-five classes, from 1853 to 1888, 1,294 men, of whom 1,150 are living. These are associated under the name of "The Associate Alumni of the College of the City of New York." The annual meeting is held on the day after Commencement, at the College building. The officers for the present year are:

<i>President,</i>	.	.	.	.	.	JAMES GODWIN, '58.
<i>1st Vice-President,</i>	.	.	.	.	.	RICHARD ROGERS BOWKER, '68.
<i>2d Vice-President,</i>	.	.	.	.	.	JOHN BACH McMASTER, '72.
<i>Secretary,</i>	.	.	.	.	.	RICHARD LELAND SWEENEY, '74.
<i>Treasurer,</i>	.	.	.	.	.	JAMES KNOX, '59.
<i>Historian,</i>	.	.	.	.	.	JOHN SHERMAN BATTELL, '73.

STUDENTS' AID FUND.

In 1857, the Associate Alumni established a fund for the purpose of assisting such students as might otherwise find difficulty in completing their collegiate course. This fund is maintained by contributions from the Alumni. The management of the fund is committed to five trustees, who loan, without interest, such sums as they think proper to deserving students; and neither the names of those to whom the loans are made, nor the amounts of the loans, are known to any but the trustees and the auditors of the fund.

The following are the present trustees, to whom application may be made:

EVERETT P. WHEELER,	.	.	.	.	.	120 Broadway.
JOHN R. SIM,	.	.	.	.	.	At the College.
JOHN HARDY,	.	.	.	.	.	265 Broadway.
ALFRED G. COMPTON,	.	.	.	.	.	At the College.
CHARLES L. HOLT,	.	.	.	.	.	188 Front Street.

LITERARY SOCIETIES.

Two Literary Societies, the Clonian and the Phrenocosmian, are connected with the College. They are devoted to the culti-

vation of the arts of composition, oratory and debate, and the promotion of friendly intercourse between students.

Weekly meetings are held during the collegiate year. The exercises consist of the reading of an essay and a selection, the delivery of a declamation or an oration, and the debate of a question previously appointed. A magazine is also read at intervals, to which the members contribute, anonymously, articles of a lighter nature than the essays. The Clonian library, containing many valuable books, and the Phrenocosmian reading-room, where may be found the leading magazines and periodicals of the day, are in two of the side-rooms of the chapel, and are open to the members every afternoon of the College week.

COMMENCEMENT.

JUNE 21, 1888.

The following award of Medals and Prizes was made according to the terms and conditions heretofore mentioned :

THE PELL MEDALS.

First, Gold,	SAMUEL WHITNEY DUNSCOMB, Jr., Senior.
Second, Silver,	FREDERICK MALLING PEDERSEN, Junior.
Third, Silver,*	SAMUEL FRIEDWALD, Freshman.

THE CROMWELL MEDALS.

SOPHOMORE CLASS.

First, Gold,	WILLIAM JOSEPH PYNE.
Second, Silver,	PAUL L. SAUREL.
Third, Silver,	SYDNEY L. WOOD.

Honorable mention with SYDNEY L. WOOD was awarded to MAX J. KOHLER and LEON HUHNER.

THE WARD MEDALS.

Chemistry,	SAMUEL WHITNEY DUNSCOMB, Jr., Senior.
Natural History,	SAMUEL WHITNEY DUNSCOMB, Jr., Senior.
Natural Philosophy,	CHARLES H. PARMLY, Senior.

*Erroneously awarded. It should have been awarded to Julius Prince, Junior Class.

Logic,	CLARENCE D. ROGERS,	Sophomore.
Political Science,	FREDERICK MALLING PEDERSEN,	Junior.
English,	JULIUS PRINCE,	Junior.
Greek,	SAMUEL WHITNEY DUNSCOMB, Jr.,	Senior.
Latin,	SAMUEL WHITNEY DUNSCOMB, Jr.,	Senior.
French,	PAUL L. SAUREL,	Sophomore.
Spanish,	CHARLES FRANCIS HORNE,	Junior.
German,	FREDERICK MALLING PEDERSEN,	Junior.
Oratory,	ALFRED MOSS JACOBS,	Sophomore.
Composition,	JOHN P. ELDER,	Senior.
Philosophy,	CHARLES H. PARMLY,	Senior.
History,	STEPHEN P. DUGGAN,	Sophomore.
Drawing,	EMIL TROSTLER,	Sophomore.
Algebra and Geometry,	HERMAN B. BARUCH,	Sub-Freshman.
Descriptive Geometry,	WARREN M. CRAFT,	Freshman.
Botany,	JOHN PRYOR,	Sub-Freshman.

Certificates of equal merit with their classmates who received the medals, were awarded in

Algebra and Geometry, to	ERNEST A. VON FINTEL,	Sub-Freshman.
Botany, to	ROBERT THOMSON SLOSS,	Sub-Freshman.

Honorable mention is made in

French, of	LEONARD L. BREITWEISER,	Sophomore.
History, of	SOLOMON MENKEN,	Sophomore.
History, of	ARTHUR F. J. REMY,	Sophomore.
Descriptive Geometry, of	SAMUEL FRIEDWALD,	Freshman.

THE RIGGS MEDALS.

SENIOR CLASS.

SUBJECT :—“Influence of the Church on Art.”

JACOB BARNETT.

JUNIOR CLASS.

SUBJECT :—“The College Graduate as a Merchant.”

MONTAGUE LESSLER.

THE CLAFLIN MEDALS.

SENIOR CLASS.—Greek.

SAMUEL WHITNEY DUNSCOMB, Jr.

JUNIOR CLASS.—Latin.

ISAAC BACHMAN.

FRESHMAN CLASS.

Greek, - - - - - NATHANIEL A. ELSBERG.
Latin, - - - - - EMANUEL LIBMAN.

In Greek, honorable mention was made of SAMUEL FRIEDWALD, and in Latin a certificate of equal merit was awarded to SAMUEL FRIEDWALD.

THE PRIZES OF THE PRESIDENT OF THE BOARD OF EDUCATION.

Prose Declamation, HORATIO SCHOEN, Senior.
Poetry Declamation, EARLE F. PALMER, Senior.

THE LOCKWOOD PRIZE.

FREDERICK E. PERHAM, - - - - - Senior.

THE KELLY PRIZES.

FOR THE BEST DEBATE. SUBJECT:—"That the average hours of labor in manufacturing industries in this country could be reduced without injury to national welfare."

EDWARD MANDEL, - - Senior, - - Of the Clonian Society.

The Judges were Messrs. James D. Smith and Thomas E. Stewart.

FOR THE BEST CRITIQUE. SUBJECT:—"The Cenci."

MAX J. KOHLER, - - Sophomore, - - Of the Clonian Society.

Honorable mention was made of MASON CARNES, of the Phrenocosmian Society.

THE BELDEN PRIZES.

JUNIOR CLASS.

First, Gold Medal, JULIUS PRINCE.
Second, Silver Medal, FREDERICK M. PEDERSEN.
Third, Silver Medal, EZRA K. WATERBURY.
Fourth, Silver Medal, LOUIS F. ROTHSCHILD.

SOPHOMORE CLASS.

First, Gold Medal,	ARTHUR F. J. REMY.
Second, Silver Medal,	PAUL L. SAUREL.
Third, Silver Medal,	BURTON C. MEIGHAN.
Fourth, Silver Medal,	FRANK SCHLESSINGER.

THE F. W. DEVOE PRIZES.

Wood-working,	ALBERT L. ADAMS,	Sub-Freshman.
Metal-working,	FREDERICK L. KEELER,	Sophomore.

HONORS.

The Honors at Commencement were—

First (Valedictorian),	- - - -	SAMUEL WHITNEY DUNSCOMB, Jr.
Second (Salutatorian),	- - - -	PLOWDON STEVENS, Jr.
Third,	- - - -	FREDERICK E. PERHAM.
Fourth,	- - - -	ALBERT KOHN.
Fifth,	- - - -	GUSTAV R. TUSKA.
Sixth,	- - - -	GEORGE FERRY SALTER.

Honorable mention was made of CHARLES HOWARD PARMLY, BERNARD J. DEVLIN, JAMES P. HANEY and HUGO F. HUBER for having obtained over eighty-five per cent. of the maximum of marks from the beginning of the Freshman year to the end of the Senior year.

DEGREES CONFERRED.

BACHELOR OF ARTS.

JACOB BARNETT,	ISIDORE HERSHFIELD,
JOHN H. BELL,	FRANK LAWRENCE JONES,
AUGUSTUS E. BIESER,	ALBERT KOHN,
WALTER B. BROUNER,	GEORGE W. LEISERSOHN,
MASON CARNES,	EDWARD MANDEL,
BERNARD J. DEVLIN,	JAMES B. MITCHELL,
LEWIS E. DRUMMOND,	RICHARD H. MITCHELL,
SAMUEL W. DUNSCOMB, Jr.,	GEORGE SABINE POTTER, Jr.,
FRANK L. ECKERSON,	NATHANIEL B. POTTER,
JOHN P. ELDER,	WILLIAM T. RYAN,
HENRY C. HADDEN,	SYDNEY A. STEIN,
PETER A. HATTING,	CHARLES S. STERN.

BACHELOR OF SCIENCES.

HARRY L. BAMMAN,
CHARLES L. DAVIES,
ALBERT ERDMAN,
CHARLES ERICSON,
GEORGE W. GLAZE,
JAMES P. HANEY,
ADOLPH C. HOTTERNROTH,
HUGO F. HUBER,
WILLIAM H. JASPER,
T. HARRY KNOX,
EDWIN H. KOEHLER,
CHARLES KOPLIK,
ARTHUR B. LEVY,
LEHMAN LEVY,
OSCAR LOWINSON,
LOUIS B. MARKS,
EUGENE MERZ,
JEROME A. O'CONNELL,
EARLE F. PALMER,
CHARLES HOWARD PARMLY,
FREDERICK E. PERHAM,
GONZALO DE QUESADA,
MORRIS S. RAUCH,
MAX ROSENBERG,
JAMES A. RYAN,
GEORGE FERRY SALTER,
HORATIO SCHOEN,
CHARLES SCHWICK,
PLOWDON STEVENS, Jr.,
GUSTAV R. TUSKA,
WILLIAM C. WIELAND.

MASTER OF ARTS.

MORRIS MANGES, A.B., M.D., '84.
LOUIS HICKS, A.B., '85.

MASTER OF SCIENCES.

HAROLD NATHAN, B.S., '85.
LEOPOLD SONDHEIM, B.S., LL.B., '85.

COLLEGIATE CALENDAR.

1888-1889.

1888.

Sept. 13. Thursday.—Commencement of First Term.

Nov. 6. Tuesday.—Election Day.

Nov. 29. Thursday.—Thanksgiving Day.

Dec. 25. Wednesday.—

1889.

Jan. 2. Wednesday.—

} WINTER VACATION.

Jan. 12. Friday.—End of First Term.

Jan. 14. Monday.—Review Examination commences.

Jan. 25. Friday.—Review Examination ends.

Jan. 28. Monday.—Commencement of Second Term.

Feb. 22. Friday.—Washington's Birthday.

April 19. Friday.—Good Friday.

April 27. Saturday.—

} SPRING VACATION.

May 4. Saturday.—

May 24. Wednesday.—Second Term ends.

May 27, 28, 29, 31.—Examination for Advancement.

May 30. Thursday.—Decoration Day.

June 3, 4, 5.—Examination for Admission.

June 10, 11.—Examination for Advancement.

June 14. Friday.—Kelly Debate.

June 17. Monday.—Prize Speaking.

June 20. Thursday.—Commencement.

June 21. Friday.—

} SUMMER VACATION.

Sept. 11. Wednesday.—

Sept. 12. Thursday.—Commencement of First Term.

BOARD OF TRUSTEES.

NAME.	RESIDENCE.	PLACE OF BUSINESS.
Agnew, Mrs. Mary N.,	266 Madison Avenue.	
Devoe, Fred'k W.,	Fordham,	101 Fulton Street.
Cole, William A.,	62 West 48th Street,	41 Broad Street.
Crary, Charles,	219 West 131st Street,	7 Beekman Street.
Dodge, Miss Grace H.,	262 Madison Avenue.	
Gallaway, Robert M.,	68 East 55th Street,	71 Broadway.
Guggenheimer, R.,	16 East 81st Street,	239 Broadway.
Holt, Charles L.,	117 West 130th Street,	188 Front Street.
Lummis, William,	108 Madison Avenue.	
O'Brien, Miles M.,	240 East 60th Street,	140 Church Street.
Purdy, Samuel M.,	West Farms,	West Farms.
Schmitt, Henry,	29 Vandam Street,	229 Broadway.
Seligman, DeWitt J.,	328 West 58th Street,	36 Union Square.
Simmons, J. Edward,	28 West 52d Street.	
Sprague, Henry L.,	330 West 23d Street,	146 Broadway.
Tamsen, Edward J. H.,	331 East 18th Street,	52 Avenue A.
Traud, Ferdinand,	1371 Franklin Avenue.	
Vermilye, Jacob D.,	4 West 51st Street,	42 Wall Street.
Webb, Alexander S.,	15 Lexington Avenue,	College.
Webb, H. Walter,	15 West 47th Street,	Vanderbilt Avenue.
Welch, W. J., M.D.,	211 Henry Street,	211 Henry Street.
Wood, William,	4 West 18th Street.	

Arthur McMullin, Secretary ; Office, Hall of the Board of Education.

Edward E. Van Saun, Assistant Secretary ; Office, Hall of the Board of Education.

OFFICERS OF THE COLLEGE.

Baralt, Luis A.,	Instructor,	72 Fifth Avenue.
Baumeister, John,	Tutor,	Newtown, L. I.
Cana, Robert W.,	Registrar,	241 Seventh Avenue.
Cherbuliez, David,	Tutor,	266 Willis Avenue.
Compton, Alfred G.,	Professor,	40 West 126th Street.
Dean, Bashford,	Tutor,	326 Riverdale Ave., Yonkers.
De Groat, James H.,	Assistant,	288 Summit Ave., J. C.
Doremus, Charles A.,	Tutor,	92 Lexington Avenue.
Doremus, R. Ogden,	Professor,	241 Madison Avenue.
Fabregou, Casimir,	Tutor,	111 West 130th Street.
Fiston, Ernest,	Tutor,	43 West 127th Street.
Fox, William,	Tutor,	319 East 17th Street.
Friedburg, L. Heinrich,	Instructor,	72 East 83d Street.
Herbermann, Charles G.,	Professor,	223 West 25th Street.
Hollerith, George C.,	Tutor,	130 East 93d Street.
Houston, Robert,	Instructor,	165 East 85th Street.
Hunt, Leigh H.,	Tutor,	Newtown, L. I.
Johnston, Henry P.,	Professor,	121 East 76th Street.
Kost, Henry G.,	Tutor,	164 East 63d Street.
Legras, Gustave,	Tutor,	1429 Park Avenue.
McCreery, Forbes R.,	Tutor,	350 Lexington Avenue.
McGuckin, William G.,	Tutor,	126 West 129th Street.
Mandel, John A.,	Assistant,	Astoria, L. I.
Mason, James Weir,	Professor,	32 West 129th Street.
Mayell, Henry.	Secretary,	Rutherford, N. J.
Mitchell, Harvey,	Instructor,	134 East 26th Street.
Morgenthau, Julius C.,	Tutor,	190 Lenox Avenue.
Mott, Lewis F.,	Tutor,	367 West 19th Street.
Mulqueen, Joseph F.,	Tutor,	51 Henry Street.
Nathan, Harold.	Tutor,	749 Madison Avenue.
Newcomb, George B.,	Professor,	256 West 57th Street.
O'Brien, Walter,	Tutor,	345 West 42d Street.
Parmly, Charles H.,	Tutor,	344 West 29th Street.
Petrasch, Carl Schurz,	Tutor,	71 West 55th Street.
Poor, Charles L.,	Tutor,	42 West 19th Street.
Powell, H. Wheeler,	Tutor,	114 West 123d Street.
Roemer, Jean,	Professor,	19 East 44th Street.
Rupp, August,	Tutor,	125 Second Avenue.
Scott, David B.,	Professor,	112 West 122d Street.
Sheldon, Benjamin A.,	Tutor,	48 Morton Street, Brooklyn.
Sickles, Ivin,	Tutor,	353 New York Ave., J. C.
Sim, John R.,	Tutor,	New Rochelle, N. Y.
Smith, Calvin R.,	Tutor,	58 West 57th Street.
Stratford, William,	Professor,	245 West 52d Street.
Tisdall, Fitz Gerald,	Professor,	222 West 23d Street.
Webb, Alexander S.,	President,	15 Lexington Avenue.
Werner, Adolph,	Professor,	339 West 29th Street.
Woolf, Solomon,	Professor,	31 West 126th Street.
Bonney, Michael F.,	Janitor,	College Building.
Reed, James,	Engineer,	College Building.

ALUMNI.

CLASS OF 1853.

Birdsall, George W., A. B.,	Civil Engineer,	De'pt Public Works, 31 Chambers St.
*Brant, Jas. Randolph, A. B.		
Clark, George Lyon, A. M.,	Merchant,	122 Duane Street.
Compton, Alfred Geo., A. M.,	Professor,	40 West 126th Street.
Corwin, Edward T., A. M., D. D.,	Clergyman,	Millstone, N. J.
*Donahue, John Henry, A. B.		
Gray, Giles Hubbard, A. M.,	Lawyer,	420 California Street, San Francisco, Cal.
Grout, Thomas J., A. M.,	Inspector,	44 Pearl Street.
Hardy, John, A. M.,	Lawyer,	265 Broadway.
Holt, Charles Lorin, A. B.,	Merchant,	188 Front Street.
Hubbell, Charles W., A. M.,	Book-keeper.	National Park Bank.
Rayner, Benjamin S., A. M.,	Agent.	
Seligman, Isaac, A. B.,	Banker,	London, England.
Sparrow, George, A. M.,	Merchant,	118 Withers Street, Brooklyn, E. D.
Steers, James R., Jr., A. B., LL. B.,	Lawyer,	55 Liberty Street.
*Ward, Elijah, A. M.		
Wightman, James S., A. B.,	Architect,	2279 & 2281 3d Ave.

CLASS OF 1854.

Anderson, Joseph, A. M., D. D.,	Clergyman,	Waterbury, Conn.
Babcock, Nichols H.,	Real Estate,	5 Beekman Street.
Belfour, Edmund, A. M.,	Clergyman,	Pittsburg, Pa.
Cruikshank, William, A. B.,	Agent,	37 Astor House.
Denny, John Tappan, A. B.,	Banker,	6 West 34th Street.
Donahue, James M., M. S.,	Lawyer.	
Douglass, Eugene, A. M., M. D.,	Physician,	317 West Street.
*Duncan, Peter H., A. M.		
*Forbes, John McL., A. M.		
*Gray, William Neil, A. M.		
Kimball, Rodney G., A. M., B. S.,	Professor,	Polytechnic Institute, Brooklyn.

*Deceased.

Little, James A., A. M., D. D.,	Clergyman,	Hokendaqua, Pa.
*Moulton, Francis D., A. B.		
Nixon, George, A. M.,	Clergyman,	Tremont, N. Y.
Post, George E., A. M., M. D.,	Prof. Surgery,	Beirut, Syria,
Velsor, Joseph A., A. B.,	Drugs,	9 Gold Street
Walsh, De Witt C., A. B.,	Engineer.	
Walther, Peter, A. B.,	Iron Founder,	365 East 123d St.
Weir, Robert Fulton, A. M., M. D.,	Professor,	37 West 33d Street.
*White, Charles Belden, A. M., M. D.		
White, George, Jr., A. M.,	Prin. G. S. 70,	207 East 75th St.
*Wightman, Edw. K., A. M.		

CLASS OF 1855.

Abel, William Henry, A. M.,		258 West 127th St.
Adams, Wm. Menzies, A. M.,	N. Y. Life Ins.	465 Waverly Ave., Brooklyn.
Allendorph, Charles W., A. B.,	Merchant,	Lawrence, Kansas.
*Alvord, Alwin Alonzo, A. M.		
Babcock, Hamlin, A. M.	Real Estate,	62 Liberty Street.
Baldwin, Simeon, Jr., B. S.,	Banker,	18 Wall Street.
*Bayles, Lewis Condit, A. M.		
Brinkerhoff, Walter, A. B.,	Clerk, >	433 Bergen Ave., J. C. Heights.
Church, Elihu Dwight, A. M.,	Merchant,	129 Pearl Street.
Cole, William Madison, A. M.,	Pres. Brooklyn Life Ins. Co.,	20 Nassau Street. 84 Chambers Street.
Daly, Charles, A. M.,	Merchant,	
*De Camp, William H., A. M.		
*Fernandez, Luis, A. B., M. D.		
Gardner, Andrew J., A. B.,	Merchant,	114½ Norman Ave., Brooklyn.
*Grant, James H., A. B.		
Greenfield, George J., A. M.,	Lawyer,	35 Broadway.
*Hayes, Charles Gregory, A. B.		
*House, Samuel B., A. M.		
Jessop, Samuel, A. M., M. D.,	Physician,	U. S. Army.
Keyser, Robert Blair, A. M., LL. B.,	Teacher,	W. 82d St. & 11th Av.; 111 W. 62d St.
*Kimball, Warren W., A. B.		
Lee, Benjamin F., A. B.,	Lawyer,	20 Nassau Street.
Macfarlane, Hugh, Jr., A. B.,	Merchant,	435 E. 17th Street.
Mason, Francis Asbury, A. B.,	Clergyman,	Flemington, N. J.
Mason, James Weir, A. M.,	Professor,	17 Lexington Ave.

*Deceased.

*Post, Henry A., A. M.		
Raymond, Russell, A. M.,	Secretary,	501 Fifth Ave.
Rowell, Alfred, A. B.,	Clerk,	411 Walnut Street, Philadelphia, Pa.
Saunders, Thorndike F., A. M.,	Lawyer,	170 Broadway.
Searle, Dayton W., A. M., M. D.,	Physician,	6 West 127th Street.
Wight, Peter Bonnett, A. B.,	Architect,	202 La Salle Street, Chicago.
Wightman, Charles S., A. B.,	Clergyman,	Oyster Bay, L. I.

CLASS OF 1856.

Baker, Colgate, A. B.,	Merchant.	
*Davis, Henry, Jr., A. B.		
Hatfield, Robert Frank, B. S.,	Arch't'l Engin'r & Accountant,	31 Pine Street.
*Howe, John, Jr., A. M., M. D.		
Jasper, John, A. M.,	Supt. Schools,	146 Grand Street.
Kenyon, John, A. B.		
*Leeds, Frederick A., A. B.		
McMullen, Francis, A. B.,	Clerk,	174 E. 104th Street.
McMullin, Arthur, A. M.,	Clerk, Board of Education,	146 Grand Street.
*Muller, Adrian H., Jr., A. B.		
*Pinkney, Howard, A. M., M. D.		
Pratt, Charles Henry, A. M.,	Surveyor,	Minneapolis, Minn.
Ranney, Julius Harris, A. M., LL. B.,	Lawyer.	
*Rising, Franklin S., A. M.		
Sherman, Henry, A. B.,	Receiver.	
Sturgis, Russell, A. M.,	Architect,	307 East 17th Street.
*Van Buren, James L., A. B.		
*Walker, Aldace A., A. B.		
Ward, John Edward, A. B.,	Lawyer.	
Wheeler, Everett P., A. M.,	Lawyer,	45 William Street.

CLASS OF 1857.

Abbe, Cleveland, A. M.,	U. S. Signal Service,	1825 I Street, Wash- ington, D. C.
Babcock, Jared Starr, A. M.,	Stationer,	2083 Fifth Avenue.
*Banning, Wells T., A. B.		
*Bell, Joseph William, A. M.		
*Bloomfield, Smith, A. M., B. S., LL. B.		
*Brush, Charles T., M. S.		
Church, James Austin, A. B., B. S.,	Merchant,	129 Pearl Street.

*Deceased.

Denman, William M., A. M., LL. B., Lawyer,		145 Broadway.
Fanning, David Green, A. B., Clerk,		57 Willoughby St., Brooklyn.
*Fisk, Samuel Nelson, A. M., M. D.		
*Hawes, Geo. Elias, A.B., B.S., M.D.		
*Jeliffe, Samuel Gould, A. M.		
Kitchell, Charles Henry, A. M.,	Lawyer,	140 Nassau Street.
*McMullen, Patrick, A. B.		
Maxwell, Samuel, A. M., B. S.,	Clergyman,	15 Lincoln Avenue, Allegheny, Pa.
Myers, Oscar, A. B.,	Merchant,	16 Beekman Street.
Roberts, John Sinclair, A. M., B. S.,	Professor.	
*Solomon, Nathan, M. S.		
*Van Deusen, Sylvester, A. B.		
Van Sielen, Geo. W., M. S., LL. B.,	Lawyer,	146 Broadway.
Werner, Adolph, M. S., Ph. D.,	Professor,	339 W. 29th Street.

CLASS OF 1858.

Banks, William Mellen, A. M.,	Broker,	Portchester, N. Y.
Beneville, Emile, D. M., LL. B.,	Lawyer,	140 Nassau Street.
Blake, Theodore A., A. B.,	Mining Engin'r,	New Haven, Conn.
Childs, A. Frederick, B. S.,	Book-keeper,	17 Burling Slip.
*Clark, John, A. B.		
*Crowther, Thomas, A. M.		
Ely, John Andrews, A. B.,	Real Estate,	22 Pine Street.
Godwin, James, A. M.,	Ass't Sup't,	146 Grand Street.
*Hallock, William K., A.M., M. D.		
James, Chas. Arthur, A. B.,	Broker,	15 New St. (Spencer, Trask & Co.)
Ketchum, Alex. P., A. M.,	Lawyer,	4 William Street.
Kirkland, William, A. B.,	Miner.	
Kursheedt, Manuel A., A. M.,	Lawyer,	4 Warren Street,
McKee, Thomas J., A. M.,	Lawyer,	237 W. 24th Street.
*Moriarty, Henry E., A. B.		
Pettigrew, John Fisher, A. B.,	Book-keeper,	Hackensack, N. J.
Plyer, Chas. Whiting, A. B.,	Insurance,	32 Liberty Street.
Pullman, J. Wesley, M. S.,	Secretary and Treasurer,	240 South Third St., Philadelphia, Pa.
*Sands, Walter Seabury, A. B., LL. B.		
*Sloan, Henry King, A. B.		
Sturges, Peter D., A. B.,	Merchant.	
Tomkins, Elliott D., A. M.,	Clergyman,	Calvary Chapel, 23d St., near 3d Ave.

*Deceased.

Utter, George Spencer, A. B.,	Coal-dealer.	
Vehslage, Henry, Jr., A. M.,	Clergyman,	Irvington, N. J.
Whittemore, Samuel W., B. S.,	Architect,	106 Broadway.
CLASS OF 1859.		
Appleton, John Perrin, A. M.,	Clergyman,	Boonton, N. J.
Boarer, James, Jr., A. B.,	Florist.	
Carolin, John Aloysius, M. S.,	Clerk,	39 West 12th St.
Dresser, Horace E., A. M.,	Merchant,	376 Broadway.
Elliott, Richmond B., A. M., M. D.,	V. P. G. S. 32,	10 West 127th St.
Fackler, David Parks, A. B.,	Actuary,	159 W. 12th Street.
Fitzpatrick, James C., A. M.,	Editor.	
Gardiner, Asa B., A. M., LL.D.,	Major, U. S. A.,	
Gilley, Franklin W., Jr., A. M.,	Judge Advocate,	Garden City, N. Y.
Howland, Elijah A., A. M.,	Broker,	64 Broadway.
Hudson, Wilbur Fisk, A. B.,	Prin. G. S. 68,	50 East 125th St.
Ireland, Oscar Brown, A. B.,	Prin. G. S. 18,	121 East 51st St.
Knox, James, A. M., LL. B.,	Act. Mass. Life,	Springfield, Mass.
Lozier, Abraham W., A. M., M. D.,	Lawyer,	140 Nassau Street.
Mackie, Simon Frazer, A. M.,	Physician,	339 West 46th St.
Man, William, A. M.,	Merchant.	
Martin, Benjamin Ellis, M. D.,	Lawyer,	56 Wall Street.
Merritt, Mortimer C., M. S.,	Physician,	London, England.
*Quinn, William Bernard, A. M.	Architect,	1267 Broadway.
*Sanders, Reid, A. B.		
Seaman, James Alfred, A. M.,	Lawyer,	45 Broadway.
Sherman, Gardiner, A. B.,		71 Wall Street.
Southworth, Joseph, B. S.,	Book-keeper,	Auditor's Dep't,
Sullivan, Dennis F., A. M.,	Book-keeper,	Custom-House.
Sutton, John Joseph, A. B.,	Merchant,	64 Pearl Street.
Tanzer, Arnold, A. M.,	Merchant,	Rye, N. Y.
Tisdall, Fitz Gerald, A. M., Ph. D.,	Professor,	473 Broadway.
Wood, Edward A., A. B.,	Merchant,	17 Lexington Ave.
*Woodruff, Leckwood D., A. B., M. D.		321 Fifth Avenue.
Woolf, Solomon, A. M.,	Professor,	31 West 126th St.

CLASS OF 1860.

*Adams, Samuel G., B. S.		
Allison, Thomas, A. M.,	Lawyer,	59 Liberty Street.
*Balch, Charles Leland, A. M.		

* Deceased.

Black, George A., A. B., LL. B.,	Lawyer,	66 Wall Street.
Bradley, Edward A., A. M.,	Clergyman.	
Buckmaster, John W., A. B.,	Clergyman,	Marlborough, N. Y.
Chappell, William, A. B.,	Clerk,	86 Pike Street.
Chollar, Byron Edgar, A. B.,	Sup't Gas Works,	Topeka, Kansas.
Connor, Rowland, M. S.,	Editor.	
*Crocheron, Reuben, A. B.		
*Crosby, Frank Butler, A. B.		
Delaney, John J., A. B.,	Prin. G. S. 12,	222 Henry Street.
de Peyster, Fred. J., A. M., LL. B.,	Lawyer,	7 East 42d Street.
*de Peyster, Jacob A., A. M.		
Dwight, Melatiah E., A. M.,	Clergyman,	Fairfield, Iowa.
Easton, Robert T. B., A. M., LL. B.,	Lawyer,	120 Broadway.
*Goodwin, Fred. J., A. B.		
Grant, Rich. Suydam, A. B.,	Banker,	33 Wall Street.
*Gray, Wm. C. Bryant, B. S.		
*Harrt, Henry Le Baron, A. M., M. D.		
Hiscock, Freeman, A. B.		
Hobart, Frederick, A. M.,	Editor,	45 Broadway.
Hyatt, Stephen Burdett, A. M., LL. B.,	Lawyer,	120 Broadway.
Jaines, Josiah, A. B.,		Penn, Florida.
*Keith, C. Clarence T., A. B.		
Ketchum, Edgar, A. M., LL. B.,	Lawyer,	4 William Street.
Loveridge, Henry, M. S.,	Maryl'd Coal Co.,	104 Broadway.
Mackellar, Thomas, A. B.,	Lawyer,	132 Nassau Street.
Markoe, Francis, A. B.,	Editor,	Baltimore, Md.
McCutcheon, Edward, A. M.		
Meeks, Ed. Bartlett, A. B.,	Clerk,	30 Vesey Street.
*Nesbitt, Alexander, A. M.		
*O'Brien, William, A. M.		
O'Neil, Henry P., A. M., LL. B.,	Prin'l G. S. 1,	222 Henry Street.
Rawolle, Frederick, M. S.,	Engineer.	
Sherwood, Scott R., A. M.,	Lawyer,	140 Nassau Street.
Smith, William C., B. S.,	Builder,	71 Perry Street.
Thurman, William, A. B., M. D.,	Physician,	517 Madison Avenue.
Torrey, Herbert Gray, A. B.,	U. S. Assayer,	32 Wall Street.
*Trainor, Eugene F., A. B.		
Tremain, H'y Edwin, A. B., LL. B.,	Lawyer,	167 Broadway.
Van Boskerck, R. T., A. M., LL. B.,	Lawyer,	280 Broadway.
Weightman, Geo., Jr., A. M.,	Sec. Hazard	
	Powder Co.,	63 Pine Street.
White, Henry Kirke, M. S., LL. B.,	Lawyer,	St. Joseph, Mo.
Wood, Jos. Lane R., M. S.,	Merchant,	115 Nassau Street.
*Young, Ed. Francis.		

*Deceased.

CLASS OF 1861.

Ascough, Theodore G., B. S.,	Clerk,	171 West 11th Street.
*Bancker, Marinus, W., A. M.		
Briggs, Benj. Mills, M. S., M. B.,	Physician,	106 Willoughby St., Brooklyn,
Childs, Evander, Jr., M. S.,	Prin'l G. S. 61,	153 E. 117th Street.
Cooper, George C., A. B., LL. B.,	Merchant,	113 East 21st Street.
Cox, Edwin Marion, A. M.,	Broker,	N. Y. Stock Exch'ge.
Crosby, William B., A. B., LL. B.,	Lawyer,	120 Broadway.
*Elliott, Gilbert M., A. B.		
Hopkins, S. Milford B., A. B.,	Ins. Agent,	52 Wall Street.
*Hopping, Edward C., A. B.		
Hyde, Edwin Francis, A. B., LL. B.,	Lawyer,	54 Wall Street.
Kelly, Edward C., A. M.,	Clerk,	322 East 87th Street.
Kennedy, Theodore W., B. S.,	Secretary,	P. O. Box 850.
Kennedy, Thomas J., A. M.		
*Kiernan, Lawrence D., A. M., LL. B.		
Kimball, William C., M. S.,	Broker,	3 Broad Street.
King, James, Jr., A. B.,	Druggist,	2342 4th Avenue.
Kingsland, Phineas C.,	Searcher,	Comptroller's Office, 280 Broadway.
Kirkland, Chas. P., Jr., A. B.,	Lawyer.	
Little, William, A. B.,	Merchant.	
Lowrey, James Patchell, A. B.,	Lawyer,	61 Wall Street.
Man, Frederick H., A. B., LL. B.,	Lawyer,	10 Wall Street.
McGeorge, William, Jr., A. M.,	Lawyer,	Bullitt B'l'dg, 4th St., above Walnut St., Philadelphia.
Mitchell, Roland G., Jr., B. S.,	Merchant,	141 Water Street.
*Morrison, James E., A. M., LL. B.		
*Murphy, James, A. M.		
Orr, Robert, A. B.,	Merchant,	388 Pearl Street.
*Pullman, Jas. Henry, B. S.		
Raymond, Jas. Loder, A. B.,	Clerk in Comptroller's office,	280 Broadway.
*Roberts, George W., A. B.		
Sanger, William Hen'y, B. S.,	Clerk,	Comptroller's Office, Albany, N. Y.
Selvage, Henry C., A. M.,	Clerk,	19 Cliff Street.
Slade, Fred'k Jarvis, A. B.,	Treasurer,	Trenton, N. J.
Speir, Archibald W., B. S., LL. B.,	Lawyer,	26 Broad Street.
*Starkey, David James, A. B.		
Taylor, Alfred Henry, B. S.,	Stock Raiser.	
*Deceased.		

*Terry, David Dean, A. M., LL. B.		
*Thurston, George W., A. M., B. S.		
*Turner, John Hamilton, A.M.,LL.B.		
Vienot, Emile, A. B.,	Teacher,	Jamaica, L. I.
*Watson, George W., A. B.		
Weldon, John, Jr., A. B.,	Book-keeper,	Newark, N. J. (P. O. box 165.)
West, William F., A. M.,	Cashier,	64 Broadway.
White, Cyrus Baker, B. S.,	Broker.	
White, Jefferson H., A. M.,	Merchant,	34 Warren Street.
Wilson, Thaddeus, A. M.,	Lawyer.	
Wood, Joseph Simeon, A. M., LL. B.,	Editor,	Mt. Vernon, N. Y.
Young, Nathaniel, A. B.,	Broker.	

CLASS OF 1862.

Adams, Agustus R., B. S.,	Merchant.	
Aiton, William, A. B.,	Lawyer.	
Berryman, Wilson, A. M.,	Clerk,	421 West 43d Street.
Boyer, Edward H., A. M.,	Prin'l G. S. 9,	82d St. and 11th Ave.
Brekes, David, A. B., M. D.,	Physician,	319 East 51st Street.
Brower, John Lovett, A. M., LL. B.,	Lawyer,	173 Broadway.
Cahill, William Edward, A. B.,	Teacher.	
Carley, Eldred A., A. M., LL. B.,	Lawyer,	76 Chambers Street.
Dwight, Elihu, A. M.,	Leather	141 Sixth Avenue, Brooklyn.
	Manufacturer,	
*Fitch, Aug's Dennis, A. B.		
Granberry, William H., A. B.,	Broker,	18 New Street.
Honner, John, B. S.,	Real Estate.	
Hoyt, Harlow Mather, A. M., LL. B.,	Lawyer,	44 Broadway.
Koch, Joseph, M. S., LL. B.,	Lawyer,	45 Broadway.
Lee, Arthur Malachi, A. M., LL. B.,	V. P. G. S. 22,	310 Garden Street, Hoboken, N. J.
Lord, Henry, A. B.,		58 West 57th Street.
McAfee, Knox, A. B.,	Broker,	352 West 30th Street.
Michaelis, Otho Emil, A.M., M.S., Ph.D., Capt. U. S. A.,		Kennebec Arsenal, Augusta, Me.
Needham, George G., A.M., M. D.,	Physician,	218 East 19th Street.
Newschafer, Wm. H., A. M., LL.B.,	Lawyer,	169 Broadway.
Page, James Seaver, B. S.,	Merchant,	132 West 58th Street.
Roberts, Charles, Jr., A. M., LL. B.,	Professor,	18 West 14th Street.
Roberts, Nathan B., A. B.,	Importer,	54 Mercer Street.
Sanger, Adolph Lewis, A.M., LL.B.,	Lawyer,	115 Broadway.
Slocum, Wm. Edward, M. S., LL. B.,	Lawyer.	

*Deceased.

*Snow, George W., Jr., A. B.		
Spencer, Galen Carter, Jr., A. M.,	Clerk.	
Stuart, Sidney H., M. S., LL.B.,	Lawyer,	27 Chambers Street.
Stoutenburg, William, A. B.,	Weigher,	33 S. William Street..
Strong, Richard Polk, A. B.,	Lt. U. S. A.	
*Sutherland, John, A. B.		
*Tripp, Jas. Matthews, A. M.		
Ward, Caleb Theophilus, A. M.,	Clergyman,	167 West 49th Street..

CLASS OF 1863.

Baldwin, Truman H., A. M., LL.B.,	Lawyer,	31 Nassau Street.
Blauvelt, John H. K., A. M.,	Lawyer,	140 Nassau Street.
Blumenstiels, Alex., A. M.,	Lawyer,	322 Broadway.
Clark, George Crawford, A. B.,	Banker,	51 Wall Street.
Crosby, Henry Ashton, A. B.,	Clerk,	32 Nassau Street.
Dwight, John Elihu, A. B.,	Merchant,	11 Old Slip.
*Ferrier, Thomas, Jr., A. M.		
Ferrier, Wm. Walker, A. M.,	Clerk,	346 Broadway.
Fisher, E. W., A. M., M. D.,	Teacher,	32 East 26th Street.
Forbes, Arthur, Jr., M. S.,	Teacher and	
	Clergyman,	432 East 58th Street.
*Frost, Robert Browne, B. S.		
*Garrish, John Poole, Jr., A. M., M. D.		
*Gore, Martin Alonzo, B. S.		
Gumbleton, Henry A., A.B., LL. B.,	Lawyer,	291 Broadway.
*Hartt, James Main, A. B.		
*Hewitt, Alfred, A. M.		
Hickok, Geo. Benedict, A. M., M. D.,	Physician,	346 East 4th Street.
Howland, H. Raymond, A. M.,	Merchant,	Buffalo, N. Y.
Jenkins, Aug. Shotwell, B. S.,	Clerk,	10 West 21st Street.
Labagh, Isaac Mead, A. B.,	Clerk.	
Lomia, Luigi, M. S.,	1st Lieut. 5th	
	Art'y U. S. A.,	State University,
Marshall, James, A. M.,	Clergyman.	Madison, Wis.
Monell, Ambrose, A. M.,	Judge,	32 Nassau Street.
Morse, Gilbert Livingston, A. M.,	Merchant,	140 Nassau Street.
Mott, Richard Emery, A. B.,	Book-keeper,	307 West 47th Street.
*O'Rorke, John, A. B.		
Owen, Ed. Livingston, A. B.,	Lawyer,	16 Exchange Place.
Perham, Theodore Aug., A. B.,	Book-keeper,	19 Cliff Street.
Roberts, Wm. Henry, A. M., D. D.,	Professor,	Lane Theo. Sem., Cincinnati, Ohio.
Steele, Henry S., A. B.,	Broker,	13 Broad Street.
*Deceased.		

Stephens, Geo. Wash., A. M., LL. B., Lawyer,	132 Nassau Street.
Thompson, Edw. Lush, B. S., Agent.	
*Throckmorton, B. W., A. B.	
Van Vleck, Ab'm Kipp, A. B., Teacher,	57 West 10th Street.
*Walker, James Henry, B. S.	
Wandell, Townsend, A. M., LL. B., Lawyer,	290 Broadway.
Wood, George Warren, A. M., Clergyman,	Poplar Creek, Mont.
*Zabriskie, Lemaire, A. B., M. D.	

CLASS OF 1864.

Bull, William Lanman, A. B., Broker,	38 Broad Street.
*Burrell, Philip Ware, A. B.	
Candler, James R., M. S., Real Estate,	235 East 33d Street.
*Clarkson, John Abbott, A. B.	
Coddington, Henry K., M. S., LL. B., Lawyer,	Passaic, N. J.
Demarest, Geo. Fran., B. S., Lawyer,	32 Nassau Street.
Dohrman, Aug. Fred., A. M., Merchant,	93 Wall Street.
Dougherty, Mich. Angelo, A. B., Clergyman.	
Dwyer, Michael J., M. S., V. P. G. S. 23,	255 East Broadway.
Edmunson, H. J. N. P., M. S., Teacher.	
Flammer, Charles A., M. S., Lawyer,	254 Broadway.
Fuller, Luther Mason, B. S., Merchant,	89 & 91 Warren St.
Gimbernat, Teofilo, B. S., Clerk.	
Glassford, John H. N., B. S., Superintendant,	33 11th Street, Hoboken, N. J.
Goebel, Lewis S., A. B., Lawyer,	254 Broadway.
Harsen, John Pease, A. M., Clergyman,	Nanticoke, Pa.
Hartt, Clinton Jones, A. M., Ass't Actuary,	32 Nassau Street.
Herz, Cornelius, M. S., M. D., Physician.	
Hoe, Geo. Edgar, B. S., Builder,	10 Liberty Place.
Hornthal, Lewis Marx, A. M., Merchant,	670 Broadway.
*Hudson, E. Darwin, Jr., A.M., M.D.	
Jacob, Ephraim Arnold, B.S., LL.B., Lawyer,	322 Broadway.
*Kane, Jasper Theo., A. M.	
King, William Henry, A. M., Lawyer,	Albany, N. Y.
Kingsland, Isaac Stanley, B. S., Civil Engineer.	
Lauterbach, Edward, A. M., Lawyer,	120 Broadway.
Leventritt, David, A. B., Lawyer,	320 Broadway.
Mackie, Geo. Barclay, A. B., Merchant,	24 Beaver Street,
Man, Albon Platt, Jr., A. B., C. E., Ass't Engineer,	Temple Building, St. Louis, Mo.
Mayer, Geo. Fred., A. M., Town Lot Agent,	
	U. P. R. R.
McAdam, Lucius, M. S., Lawyer,	171 Broadway.

* Deceased.

Moore, Edgar Wells, A. B.,	Cashier,	121 Fulton Street.
Oakley, Charles Edward, M. S.,	Clerk,	Dover, N. J.
Patterson, Seeley Ben., B. S.,	Treasurer.	
*Quackenbush, A., Jr., A. B.		
*Spingarn, Siegmund, A. B.		
Ward, Fred. Butler, A. B.,	Farmer.	
Warth, John Wm., Jr., A. M., M. D.,	Physician,	253 Broome Street.
Westerfield, Wm., Jr., A. M.,	Clergyman,	Jersey City, N. J.
White, John Stewart, *A. B.,	Importer,	87 Worth Street.

CLASS OF 1865.

Bronson, R. Donaldson, A. B.,		16 Exchange Place.
Clinch, Edward Sears, B. S., LL. B.,	Lawyer,	115 Broadway.
*Crosby, John Player, A. B.		
Drach, Wm., A. M.,		62 Forsyth Street.
Easton, Peter Zaccheus, A. M.,	Missionary,	Tabreez, Persia.
Friedlander, Leonard, A. B., B. S.,	Merchant.	
Gilman, Daniel Trimble, A. B.,	Real Estate,	Sioux City, Iowa.
Greene, Albert Terry, M. S.,	Insurance,	32 Nassau Street.
Griffen, Benjamin, A. M.,	Merchant,	37 West 58th St.
Heiser, Wm. Henry, A. B.,	Hardware,	237 West 45th St.
Hitchcock, Urban G., A. M., M. D.,	Professor,	51 West 29th St.
*Hunt, John Sandford, A. M.		
Knapp, John Augustus, A. M., E. M.,	Mining Engineer,	Salt Lake City, Utah
*Krieg, George, A. B.		
Lane, William Henry, A. B.,	Merchant,	207 West 43d St.
Lyng, Jandine, B. S.,	Lawyer,	120 Broadway.
Moore, Wm., B. S.,	Clerk.	
Murray, Wm. Maitland, A. M.,	Clerk,	28 West 127th St.
Penfield, John Benj., A. M.,	Book-keeper.	
Sampson, Francis Asbury, A. M.,	Lawyer,	Sedalia, Mo.
Shach, Rudolph William, A. B.,	Broker,	74 Broadway.
Sieberg, William Henry J., A. M.,	Prin. G. S. 43,	158 East 124th St.
Smith, Charles Henry, M. S., LL. B.,	Lawyer,	5 Lispenard Street.
Stitt, John Henry, A. B., LL. B.,	Lawyer,	113 Fulton Street.
Stratford, Thomas, M. S.,	Civil Engineer,	Dep't Public W'ks, 31 Chambers St.
Stratford, Wm., A. M., M. D., Ph. D.,	Tutor,	17 Lexington Ave.
Tracy, Charles Edward, A. M., LL. B.,	Lawyer,	45 William Street.
Van Arsdale, Wm. H., A. M., E. M.,	Mining Engineer.	

CLASS OF 1866.

Bancker, Aldert Hutton, A. M.,	Lawyer,	38 Wall St., & B'd of Health 301 Mott St.
--------------------------------	---------	--

*Deceased.

Brinckerhoff, Charles H., A. M.,	Actuary,	269 High St., Newark, N. J.
Brittain, Thomas Jesse, M. S.,	Artist,	134th St., near Willis Avenue.
Cahen, Solomon P., A. B., M. D.,	Physician,	227 West 44th Street.
Carr, Henry Samuel, A. M.,	Merchant,	176 Water Street.
Casey, Joseph James, A. M.,	Teacher G. S. 2,	133 Manhattan Ave.
Cunningham, Richard J., B. S.,	Clerk.	42 East 112th Street.
Eurich, Frederick Ernst, A. B.,	Mining Eng'nr,	Aurora, Ill.
Gordon, Read, B. S.,	Manufacturer,	563 Greenwich St.
Hall, Charles Lemon, M. S.,	Clergyman,	Fort Berthold, Dak.
Hallock, James C., Jr., M. S., M. D.,	Physician,	124 West 104th St.
*Hasson, John Augustin, A. B.		
Hershfield, Abraham, A. M.,	Lawyer,	287 Broadway.
Hibbard, Chas. Mould, A. M.,	Life Insurance,	171 Broadway.
Korminsky, Henry, M. S.,	Merchant,	244 East 30th Street.
*Lee, Hugh, A. B.		
*McAdam, Randolph, A. M.		
*Newton, Henry, A. B., E. M., Ph. D.		
Orvis, Henry Paine, B. S.,	Banker.	
Saulnier, Kenton, B. S.,	Merchant,	Bradford, Pa.
Saunders, Richard J., B. S.,	Clerk.	
Scully, Thos. Francis, B. S.,	Printer,	335 East 27th Street.
Smith, David Lowber, B. S.,	Civil Engineer,	31 Chambers Street.
Vanderbilt, Edgar, M. S.,	Teacher,	334 West 124th St.
Wotton, James A., Jr., A. M.,	Merchant,	119 Spring Street.

CLASS OF 1867.

Arkenburgh, Oliver M., A. B.,	Merchant,	78 Broad Street.
*Blondel, Eugene, A. B., M. D.		
Bushe, Eugene L., A. M.,	Lawyer,	150 Broadway.
Chapman, Henry F., A. B.,	Clerk,	48 East 26th Street.
Cumming, William J., A. B.,	Clergyman,	Yorktown, N. Y.
*Donaldson, James F., M. S.		
Dudley, Edward B., A. B.,	Merchant.	
*Elliott, Selah, H., A. B.		
Farnsworth, James M., B. S.,	Architect,	44 Broadway.
Farrell, Edward D., B. S.,	Teacher,	11 West 97th Street.
*Fellows, Louis, A. M., LL. B.		
*Goldsmith, Eleazer, A. M.		
Grau, Maurice H., A. M.,	Theatrical Manager.	
Grunhut, Bernhard, A. M., M. D.,	Physician.	
*Hanks, Arthur M., A. M.		

*Deceased.

Harding, Henry C., M. S., LL. B.,	Lawyer,	239 Broadway.
Hess, William C., M. S.,	Principal,	439 East 118th St.
Hindhaugh, Wm., Jr., A. M.,	Lumber,	Oswego, N. Y.
Hiseox, Charles, E., A. M.,	Clergyman.	
*Ketchum, Daniel P., A. M.		
Kimball, Charles O., A. B.,	Dentist,	13 West 32d Street.
Moore, William L., A. M.,	Teacher.	
Nutting, Lucius H., B. S.,	R. R. Agent.	
Patterson, Franklin B. B. S.,	Adv'g Agent,	27 Park Row.
Ray, Martin H., A. M.,	V. P. G. S. 51,	416 West 55th Street.
Seaman, Samuel E., A. M.,	Clerk,	67 Morton Street.
Scott, Francis M., A. M., LL. B.,	Lawyer,	Tryon Row.
Simmons, William G., M. S.,	Clergyman,	9th Ave. and 59th St.
*Smith, George W. P., A. B.		
Stevenson, William S., A. B.,		514 Pine Street, St. Louis, Mo.

CLASS OF 1868.

Angel, Frank Warner, A. B.,	Lawyer,	12 Bridge Street.
Blauvelt, Gerrit Franklin, A. B., M. D.,	Physician,	Nyack, N. Y.
Bowker, Richard R., A. B.,	Editor,	330 Pearl Street.
Buckley, Lawrence C., A. B.,	Teacher G. S. 40,	72 Clinton Street, Hoboken, N. J.
Chambers, Theo. Frel., A. B.,	Clergyman,	Deckertown, N. J.
Chesebro, Luke Barber, A. B.,	Ass't Supt.	
Crawford, Gilbert Holmes, A. B., LL. B.,	Lawyer,	229 Broadway.
Cronly, John Edward, B. S., LL. B.,	Lawyer,	5 Beekman Street.
Cruse, Thomas K., A. M., M. D.,	Physician,	Wappinger's Falls, N. Y.
Cunningham, C. Jerome, B. S.,	Clerk,	554 West 28th St.
Delafield, Albert, A. B., LL. B.,	Lawyer,	49 Exchange Place.
Goldschmidt, S. A., A. B., E. M., Ph. D.,	Chemist,	55 Broadway.
Gregory, Benjamin C., A. B.,	Principal,	17 Centre St., Newark, N. J.
*Hamlin, Frederick H., A. B.		
Howe, Walter M. S., LL. B.,	Lawyer,	40 Wall Street.
Kelly, Stephen, A. B., M. D.,	Physician,	3 East 73d Street.
Kelly, William Henry, B. S., LL. B.,	Lawyer,	7 Beekman Street, 337 East 15th Street.
Knox, John M., Jr., A. B., LL. B.,	Lawyer,	145 Broadway.
McDonald, Albert G., A. B.,	Lawyer,	16 Court St., Bklyn.
McMaster, Robert B., B. S., LL. B.,	Lawyer,	48 Wall Street.
Milliken, Peter, Jr., A. B.,	Editor,	Montgomery and Sacramento Streets, San Francisco, Cal.

*Deceased.

Pitshke, William F., B. S., LL. B.,	Judge,	City Hall.
Pope, William Barent, A. B.,	Clerk,	100 East 85th Street.
*Seaman, Richard Reece, A. B.		
Sim, John Robert, A. B.,	Tutor,	321 East 86th Street.
Stuart, Benjamin Hale, A. B.,	Clerk,	244 N. Broadway, Baltimore, Md.
Webb, Henry T., B. S.,	Clerk.	
Woodford, Franklin E., B. S.,	Lawyer,	291 Broadway.
Wright, Frederick A., A. B., M. D.,	Physician,	Glen Cove, L. I.

CLASS OF 1869.

Allen, Sturges, B. S.,	Clergyman,	Newburgh, N. Y.
Baker, George A., Jr., A. B., LL. B.,	Lawyer.	Hudson, Wis.
Baldwin, Harris Judson, A. B.,	Civil Engineer,	24 West 40th Street.
Burchard, Thomas H., A. M., M. D.,	Physician,	Riverhead, N. Y.
Chalmers, William I., A. B.,	Clergyman,	Glenham, N. Y.
Chesebro, George, A. B.,	Clerk,	140 Church Street.
Claflin, John, A. B.,	Merchant,	20 Nassau Street.
Clark, James Oliver, A. B., LL. B.,	Lawyer,	31 Pine Street.
Clark, William Henry, A. M., LL. B.,	Lawyer,	Stevens Institute,
Geyer, Wm. Ernst, A. B., B. S., Ph.D.,	Professor,	Hoboken, N. J.
Gratacap, Louis B., A. M., Ph. B.,	Ass't Geology,	Am. Mus. Nat. Hist., Central Park.
*Hanekamp, John H., B. S.		
Hiscox, Edwin Thomas, A. B.,	Clergyman,	Iowa City.
Hiscox, Henry Orne, A. M.,	Clergyman,	438 East 57th Street.
Hoope, Anthony Joy, A. B.		
Jakobi, Alphonse A., B. S., LL. B.,	Lawyer,	54 Pine Street.
Julien, Matthew C., A. B.,	Clergyman,	New Bedford, Mass.
Kelly, Peter Joseph, A. B., LL. B.,	Lawyer,	36 Pine Street.
Lay, Geo. C., Jr., A. M., LL. B.,	Lawyer,	24 Wall Street, 34 West 128th St.
McGuckin, Wm. G., A. B., LL. B.,	Tutor,	126 West 129th St.
Mackean, James, B. S.,	Teacher,	91st St., n'r 4th Ave.
Macconnell, James M., B. S.,	Manufacturer,	Morrisania, N. Y.
Maguire, John T., B. S.,	Prin. G. S. 8,	66 Grand Street.
*Matthews, Edward Loree, Jr., A. B.		
Miller, Theodore F., A. B., LL. B.,	Lawyer,	229 Broadway.
Mottet, Henry, A. B.,	Clergyman,	47 West 20th Street.
Nehrbas, Chas. J., B. S., LL. B.,	Judge,	City Hall.
O'Donnell, Wm. H., B. S.,	Journalist,	132 Lexington Ave.
Patterson, Henry Turner, A. B.,	Merchant,	138 Centre Street.

*Deceased.

Ritterband, D. S., A. B., LL. B.,	Lawyer,	57 Broadway.
Rush, Thomas J., B. S.,	Lawyer,	68 Beaver Street.
Sheffield, James Carey, A. M., LL.B.,	Lawyer,	173 Broadway.
Shepard, Edward Morse, A. B.,	Lawyer,	31 Nassau Street.
Teas, John, A. M.,	Clergyman,	432 N. 37th Street, Philadelphia, Pa.
Townley, John Francis, B. S.,	V. P. G. S. 12,	371 Madison Street.
Tully, Marcus Edward, B. S., M. D.,	Physician,	118 East 19th Street.
Tytler, Geo. Edwin, B. S., M. D.,	Physician,	113 East 128th St.
Wheaton, John Roland, A. B.,		Mt. Vernon, N. Y.
Wilds, Howard Payson, A. B., LL. B.,	Lawyer,	55 Liberty Street.
Wing, Frank Luman, A. B.,	Piano Manufac-	521 West 24th Street.

*Wray, Joseph Bowman, B. S.

CLASS OF 1870.

Abbe, Robert, A. B., M. D.,	Physician,	11 West 50th Street.
Bourquin, Louis, B. S.		
Cardozo, M. H., B. S., LL. B.,	Lawyer,	120 Broadway.
Clark, Nathan, Jr., B. S.,	Caterer,	22 West 23d Street.
Clay, George Everson, B. S.,	Civil Engineer,	5 Jackson Ave., Long Island City, N. Y.
Crowell, John Beverly, B. S., M.D.,	Physician,	157 West 21st Street.
Doremus, Chas. Avery, A. M., M. D.,	Professor	
Ph. D.,	of Chemistry,	92 Lexington Avenue
Furey, Joseph George, A. B.,	Teacher, G. S. 40,	225 East 23d Street.
*Halstead, Isaac Coutant, B. S.		
Huxley, Thomas Chas., B. S.,	Student.	
Inness, John Henry B. S., LL. B.,	Lawyer,	291 Broadway.
Jackson, Samuel M., A. M.,	Clergyman,	14 East 31st Street.
Jennings, Arthur Bates, A. B.,	Architect,	239 Broadway.
Jessup, Charles B., A. B.,	Lawyer,	256 Broadway.
Jordan, L. C. Levin, B. S.,	Stenographer,	93 Nassau Street.
Kelsey, Charles Boyd, A. B., M. D.,	Physician,	48 East 30th Street.
Kinch, Chas. Agustus, A. B., M. D.,	Physician,	256 West 54th Street.
Ledwith, James J., B. S.,		Spring Valley, N. Y.
Lloyd, Demarest, A B.,	Editor,	Tribune Office.
Lyon, Addison Jesse, A. B., LL. B.,	Teacher,	337 West 11th Street.
McAdam, Graham, A. M.,	Clerk,	308 West 20th Street.
McBride, Chas. Clinton, A. B.,	Editor,	Elizabeth, N. J.
Montgomery, John H., A. B., LL. B.,	Lawyer,	32 Nassau Street.
Nettleton, Chas. Hine, B. S.,	Supt. Gas-works,	Derby, Conn.
Smidt, Allan Lee, B. S.,	Lawyer,	49 Chambers Street.
Underhill, Fred. Lacy, A. B.,	Engineer,	43 Lafayette Place.

* Deceased.

Waterbury, John Isaac, B. S.,	Vice-President, President,	10 Wall Street, 10 Park Place.
White, Thomas R., B. S., LL. B.,	Lawyer,	2 Wall Street.
Whitley, Jonas Ezra, B. S.,	Journalist,	428 West 20th Street.
Wilcox, Wm. Henry, B. S.,	Clerk.	
CLASS OF 1871.		
Acton, John Whittaker, B. S.,	Cashier,	171 Duane Street.
Alker, Alphonse Henry, B. S.,	Lawyer,	11 Pine Street.
Anderson, Frank, A. B., M. D.,	Physician,	Ass't Surgeon U.S.N.
Bernhardt, Joseph, B. S.,	Teacher,	418 East 84th Street.
*Blun, Abraham, B. S., C. E.		
Bontecou, Daniel, B. S.,	Civil Engineer,	466 West 23d Street.
Cardozo, Daniel Henry, B. S.,	Civil Engineer,	37 East 65th Street.
Dougherty, J. Hampden, A. B., LL. B.,	Lawyer,	7 Nassau Street.
Edwards, W. DeForest, A. B., Ph. B.,	LL. B., Lawyer,	111 Broadway.
*Ford, Thomas J. I., A. B., M. D.		
Frank, Julius Jos., A.M.,B.S., LL.B.,	Lawyer,	243 Broadway.
Frazee, William Youle, B. S.,	Merchant,	417 West 21st Street.
Geehr, Thomas Le Van, B. S.,	Book-keeper,	56 Middagh Street, Brooklyn.
Haber, Henry Isaac, M. S.,	Civil Engineer.	
Heineman, H. Newton, B. S., M. D.,	Physician,	49 West 57th Street.
Jefferis, Charles Torbert, A. B.,	Clerk.	
Livingston, Solomon B., B. S., LL. B.,	Lawyer,	52 Wall Street.
Lydecker, Charles E., B. S., LL. B.,	Lawyer,	120 Broadway.
Muller, Edwin, B. S.,	Clerk,	2d Auditor's Office, Washington, D. C.
Murray, Robert Alex., B. S., M. D.,	Physician,	235 West 23d Street.
Rosemon, Cornelius P., B. S.,	Lawyer,	120 Broadway.
Scott, William Seaman, A. B.,	Ass't Engineer,	Colorado.
*Smith, Francis Asbury, A. B.		
Smith, Herbert Edgar, A. B.,	Manufacturer,	Middletown, Conn.
*Stein, Charles, A. B.		
Stern, Abraham, B. S., LL. B.,	Lawyer,	122 Bowery.
Summerbell, Martyn, A. M.,	Clergyman,	259 West 34th Street.
Tully, Charles H., A. B.,	Clerk,	118 East 19th Street.
*Wood, W. Spencer, A. B.		
Young, Daniel Kissam, B. S.,	Merchant,	81 Wall Street.
Zemansky, Abm. Philip, B. S., M. D.,	Physician.	

CLASS OF 1872.

Abarbanell, Jacob, A. B., B. S., LL.B.,	Lawyer,	140 Nassau Street.
Banks, Sheppard, A. B., LL. B.,	Lawyer	51 Alexander Ave.

* Deceased.

Beach, Arthur, A. B., M. D.,	Physician,	300 Sumner Avenue, Brooklyn.
Beach, Samuel Jackson, A. B.,	Clergyman,	Cedar Falls, Iowa.
Birnbaum, Oscar, B. S.,	Teacher, G. S. 49,	East 37th Street, near Second Ave.
Blish, George Henry, A. B.,	Banking,	247 Broadway.
Cocks, David Clark, A. M., M. D.,	Physician,	229 East 112th St.
Comstock, Fr. Harmon, A. B., LL. B.,	Lawyer,	34 Wall Street.
Cooper, Harry Dodge, B. S.,	Book-keeper,	304 Madison Avenue.
Donald, James Mackie, B. S.,	Banker,	11 Nassau Street.
Falk, Benjamin Joseph, B. S.,	Photographer,	949 Broadway.
Fruitnight, John Henry, A. M., M. D.,	Physician,	161 West 57th St.
Frye, Jed, B. S.,	Merchant,	47 Water Street.
Greenbaum, Samuel, A. M., LL. B.,	Lawyer,	170 Broadway.
Gulick, John Cowan, B. S., LL. B.,	Lawyer,	191 Broadway.
Hochheimer, Emanuel, A. M., B. S., M. D.,	Physician,	207 East 57th Street.
Howe, William Burdge, B. S.,	Merchant,	301 West 17th Street.
Keck, Frank, B. S., LL. B.,	Lawyer,	120 Broadway.
Lowenthal, Henry, A. M., LL. B.,	Journalist,	N. Y. Times Office.
Malone, James Eugene, A. B.,	Knit Goods,	260 Church Street.
McMaster, John Bach, A. M., C. E.,	Professor,	Univ'y of Pennsylvania, Phila.
Meeks, Hamilton Victor, A. B.,	Lumber,	30 Vesey Street.
Putzel, Leopold, A. B., B. S., M. D.,	Physician,	252 East 48th Street.
Ruston, William Otis, A. B.,	Clergyman,	West Union, Iowa.
Salomon, David H., B. S., LL. B.,	Lawyer,	338 Broadway.
Schermerhorn, John E., B. S., LL. B.,	Lawyer,	62 Broadway.
*Shipley, Eddy, B. S.		
Stoiber, Adolphus Henry, A. M., LL. B.	Lawyer,	1 Nassau Street.
Strauss, Seligman J., A. M., B. S.,	Lawyer,	Wilkesbarre, Pa.
Thornell, Henry Lloyd, A. B.,	Secretary,	49 Wall Street.
Van Kleeck, Henry, A. M., B. S., LL. B.,	Lawyer,	Poncha Springs, Col.
Van Santvoord, Richard, A. B., M. D.,	Physician,	26 East 125th Street.
*Woodward, James L., A. B., LL. B.		

CLASS OF 1873.

Adler, Louis, B. S., LL. B.,	Lawyer,	120 Broadway.
Bach, Albert, A. B., LL. B.,	Lawyer,	140 Nassau Street.
Battell, John Sherman, A. B.; B. S.,	Clerk,	119 Broadway.
Church, Wm. Sylvester, B. S.,	Clerk,	8 and 10 Water St.
Clapp, K. Leffingwell, B. S.,	Stock Broker.	
Colie, Edward Martin, A. B.,	Lawyer,	776 Broad Street, Newark, N. J.

* Deceased.

Davison, David Henry, B. S., M. D.,	Physician,	102 East 78th Street, Mt. Sinai Hospital. Yonkers, N. Y.
Fagnani, Chas. P., A. B., B. S., LL. B.,	Clergyman,	152 Henry Street.
Fisher, Charles Willis, B. S.,	Teacher, G. S.	102 Clinton Avenue, Newark, N. J.
Friedberg, William B., B. S.,	Teacher,	113 East Broadway.
Gregory, Christopher, A. B.,	Teacher,	1285 Broadway.
Huber, Francis, B. S., M. D.,	Physician,	50 Wall Street.
Huss, George Martin, B. S.,	Architect,	330 Pearl Street.
Jarvis, Welcome Smith, A. B.,	Lawyer,	181 Broadway.
Jennings, E. Forrest B., A. B.,	Civil Engineer.	
Jones, L. Eugene, A. B.,	Journalist,	
Kohn, Solomon, B. S., LL. B., Ph. B.,	Lawyer,	
Leipziger, Henry M., A. M., B. S.,		
	LL. B., Ph. D., Teacher,	36 Stuyvesant Street.
Lewinson, Benno, M. S., LL. B.,	Lawyer,	5 Beekman Street.
Lyons, Fred Augustus, A. M., M. D.,	Physician,	136 East 49th Street.
Muhlfeld, Henry, A. B., M. D.,	Physician,	373 East 10th Street.
Muller, Herman J., A. B., B. S.,	Merchant,	117 Chambers Street.
*Murray, John, A. B., B. S., M. D.		
Oppenheimer, Isaac, A. B., B. S., M. D.,	Physician,	105½ East 55th Street.
Rabock, Wenzel Albert, B. S., A. M.,	Teacher,	415 West 34th Street.
Rullman, Louis Henry, B. S.,	Civil Engineer.	
Salomon, Abraham, B. S., LL. B.,	Lawyer,	338 Broadway.
Schöening, Michael E. von, B. S.		
Tifft, Henry Neville, M. S., LL. B.,	Lawyer,	36 Wall Street.
Walther, John Augustus, B. S., M. D.,	Physician,	212 East 123d Street.
Wray, Edward Marshall, B. S.,	Merchant,	16 Warren Street.

CLASS OF 1874.

Baker, George McC., A. B., LL. B.,	Lawyer,	140 Nassau Street.
Baumgarten, Maurice H., B. S.,	Merchant,	16 Walker Street.
Busche, Thos. W., A. B., M. D.,	Surgeon,	108 Rivington Street.
Carlin, Wayland, A. B.,		212 West 25th Street.
Cohen, Adolph, B. S., LL. B.,	Lawyer,	319 Broadway.
Demarest, Walter, A. M., M. D.,	Physician.	
Dix, Warren R., A. M., LL. B.,	Lawyer,	160 Broadway.
Eastman, Joseph, B. S., LL. B.,		1 East 72d Street.
Fromme, Isaac, A. B., LL. B.,	Lawyer,	287 Broadway.
Goldbacher, Joseph, B. S., LL. B.,	Lawyer,	229 Broadway.
Gutgsell, Eugene F. J., B. S.,	Teacher,	1365 Park Avenue.
Gutweiler, Ernst,	Clergyman,	Dutch Kills, L. I.
Ihlseng, Axel. O., B. S., C. E., E. M.,	Chemist,	151 East 33d Street.
Kahn, Samuel, B. S., M. D.,	Physician,	San Francisco, Cal.

* Deceased.

Lachman, Samson, A. B., LL. B.,	Judge,	154 Nassau Street.
Lyons, Wallace F., A. B.,	Teacher,	1931 Madison Ave.
Man, Henry H., A. B., LL. B.,	Lawyer,	56 Wall Street.
*McCreery, Charles A., A. B.		
Meyer, Henry, M. S., LL. B.,	Lawyer,	291 Broadway.
Reighley, Frederick G., A. B.,	Teacher.	
Richard, Charles, B. S., M. D.,	Capt. and Ass't Surgeon, U.S.A.,	N. Y. Shipping List, 59 William Street.
Rodenbach, William T., B. S.,	Secretary,	Naugatuck, Conn.
Rush, Charles W., B. S., M. D.,	Physician,	U.S. Steamer Marion.
Shack, Ferdinand, A.M., M.S., LL.B.,	Lawyer,	56 Wall Street.
Sickles, Ivin, M. S., M. D.,	Tutor,	17 Lexington Ave.
Stoddart, William, A. B., LL. B.,	Lawyer.	
*Swart, Merton G., A. B., LL. B.		
Sweezy, Richard L., A. B.,	Lawyer,	31 Nassau Street.
Underwood, William J.Jr., M.S., LL.B.,	Lawyer,	170 Broadway.
Van Pelt, Daniel, A. M., B. S.,	Clergyman,	East New York, N.Y.
Weeks, Thomas W., A. B.,	Treasurer,	10 Warren Street.
Williams, Richard P., B. S.,	Merchant,	1 William Street.
Wilson, Franklin S., A. B.,	Laundry,	Brooklyn.

CLASS OF 1875.

Alexander, Peter, B. S., LL. B.,	Lawyer,	234 Broadway.
Black, John V., A. B.,	Lithographer,	92 William Street.
Burk, Howard R., B. S.,	Oils,	7 Platt Street.
Crawford, Hanford, B. S.,	Dry Goods,	801 Broadway.
Cristy, Albert B., A. M.,	Clergyman,	Hudson, Ohio.
Fisher, Edward D., A. B., M. D.,	Physician,	6 West 39th Street.
Frey, George, B. S.,	Clerk.	
Goldsmith, Abm., A. B., LL. B.,	Lawyer,	154 Nassau Street.
Greene, William F., A. B., M. D.,	Physician.	
Harper, James T., A. B.,	Publisher,	Franklin Square.
Jenkins, Henry E., B. S., LL. B.,	Teacher,	Bronxville, N. Y.
Kahrs, Henry, B. S.,	Printer,	500 Third Avenue.
Larremore, Wilbur, A. B., LL. B.,	Lawyer,	55 Liberty Street.
Levy, Henry, A. B., M. D.,	Physician,	150 East 56th Street.
Mahony, Daniel P. H., B. S., LL. B.,	Lawyer,	132 Nassau Street.
McAdam, George H., A. B.,	Lawyer,	171 Broadway.
McCreery, James C., A. B.,	Merchant,	805 Broadway.
McNary, Spencer G., A. B., LL. B.,	Lawyer,	2 Tryon Row.
Messiter, George N., B. S., LL. B.,	Lawyer,	55 Broadway.
*Purdy, Roe, A. B.		
Putzel, Gibson, A. B., LL. B.,	Lawyer,	320 Broadway.

*Deceased.

Sahlinger, Israel, B. S.,	Cashier,	Helena, Mont.
Spencer, Nelson Stanley, A. B.,	Lawyer,	31 Nassau Street.
Steneck, John R., A. B.,	Iron Manufact'r,	107 Chambers Street.
Townsend, Curtis McD., A. B.,	Lieut., U. S. A.,	34 West 45th Street.
Tuthill, William B., A. M.,	Architect,	52 Broadway.
Ullman, Joseph, A. M., LL. B.,	Lawyer,	145 Nassau Street.
Weil, Isaac, B. S., M. D.,	Physician,	244 West 51st Street.
Werner, Louis, B. S., LL. B.,	Lawyer,	181 Broadway.
Witherstine, C. S., M. S., M. D.,	Physician,	4603 Germant'n Ave., Germantown, Pa.
Wolf, Simson, A. M., LL. B.,	Lawyer,	154 Nassau Street.

CLASS OF 1876.

*Altmayer, Samson O., A. B.		
Baldwin, Arthur P., A. B.,	Teacher,	57 East 125th Street.
*Blauvelt, Henry C., A. B., M. D.		
Clearwater, Charles Knapp, B. S.,	Clergyman,	Mount Vernon, N. Y.
Davis, Vernon M., A. M., LL. B.,	Lawyer,	71 Broadway.
D'Utassy, Leo L., B. S.,	Railroad,	144 East 36th Street.
Frambach, Frederick, Jr., A. B.,	Lawyer,	Union Hill, N. J.
Frank, Herman, A. B., LL. B.,	Lawyer,	291 Broadway.
Goodfriend, Simon, B. S.		
Henderson, Edward C., B. S., LL. B.,	Lawyer,	52 Wall Street.
Henry, Charles I., A. B.,	Merchant,	48 Exchange Place.
Hollerith, George C., B. S.,	Tutor,	130 East 93d Street.
Honig, Joseph, A. B.,	Insurance,	170 Broadway.
Hopper, John W., A. B., M. D.,	Physician,	Hackensack, N. J.
Husted, Singleton, A. B., M. D.,	Physician.	
Kay, Wm. A., B. S.,	Journalist,	292 Eleventh Street, South Brooklyn.
Kenyon, William H., A. M., LL. B.,	Lawyer,	32 Park Place.
Klein, Philip H., Jr., A. B.,	Book-keeper,	132 Avenue C.
Kraus, Max W., B. S.,	Merchant,	657 Broadway.
*Lauterbach, Henry, B. S., LL. B.		
*McGowan, James Joseph, B. S.		
Mahler, Louis, A. B.,	Clerk,	505 Sixth Avenue.
Maves, Fernando, A. B.		
Mead, William Herbert, B. S.,	Clerk,	2108 Madison Ave.
Merckle, Henry, A. B., LL. B.,	Lawyer,	149 Broadway.
Minrath, Ferdinand R., A. B., LL. B.,	Lawyer,	120 Broadway.
Ormsby, Waterman L., B. S.,	Stenographer,	382 Pearl Street, Brooklyn.
Palmer, Benjamin W., A. M., M. D.,	Physician.	

* Deceased.

Park, Rufus H., B. S.,	Clerk.	
Powell, William A., A. B.,	Clergyman,	Newark, Ohio.
Putzel, Charles, A. B., LL. B.,	Lawyer,	140 Nassau Street.
Rafel, Henry S., A. B., LL. B.,	Lawyer,	106 West 47th Street.
Ramsdell, Edwin B., A. B., M. D.,	Physician,	581 Lexington Ave.
Rapp, Maurice, A. B., LL. B.,	Lawyer,	167 Broadway.
Rhodes, John C., B. S., LL. B.,	Lawyer,	156 Broadway.
Rothschild, Marks, B. S.,	Manufacturer,	107 Duane Street.
Smyth, George B., A. B.,	President,	Methodist Episcopal College, Foochow, China.
Stine, Marcus, B. S., Ph. D., LL. B.,	Lawyer,	7 Beekman Street.
Strouse, Edward, A. B., LL. B.,	Maltster,	11 East 49th Street.
Townsend, Frederick M., B. S., M. D.,	Physician,	108th St. & 12th Ave.
Ullman, Nathan, A. B.,	Crayon Artist,	239 East 50th Street.
Vogel, Henry W., B. S.,	Civil Engineer,	Fordham, N. Y.
West, Albert F., B. S., LL. B.,	Lawyer,	132 Nassau Street.
Wheaton, Joseph S., B. S.,	Manager,	395 Lexington Ave.

CLASS OF 1877.

Barratt, John Arthur, A. M., LL. B.,	Lawyer,	59 Liberty Street.
Birkins, Ernest Reeves, A. M., M. D.,	Teacher and Physician,	2153 Sixth Avenue.
Brill, Nathan E., A. M., M. D.,	Physician,	662 Lexington Ave.
Bunzl, Victor, B. S.,	Tobacco,	126 Water Street.
Burchard, Lewis Sayre, A. B., LL. B.,	Lawyer,	Temple Court.
Carvalho, Solomon Solis, A. B.,	Journalist,	24 East 131st St.
*Clark, Edward Adoniram, A. B.		
Clarkson, John Van Boskerck, A. B.,	Real Estate,	39 Broadway.
Davidson, Wm. Cyrus, A. B., LL. B.,	Lawyer,	280 Broadway.
Dowd, Joseph, B. S.,	Merchant,	30 West 52d Street.
Euring, George Anthony, B. S., LL. B.,	Lawyer,	123 Second Street.
Gilbert, Frank Henry, A. B.,	Manufacturer,	346 Broadway.
Hauff, William Charles, A. B., LL. B.,	Lawyer,	140 Nassau Street.
Hayes, Richard Jerome, B. S.		
Henry, Howard Herrick, A. B.,		214 Broadway.
Hoag, Sidney Willet, B. S.,	Civil Engineer,	128 East 115th Street.
Huber, Emil Andrew, A. B.,	Musician,	Steinway Hall.
Hunt, Leigh Harrison, M. S., M. D.,	Tutor and Physician,	17 Lexington Ave.
Hunter, David M., A. B.,	Clergyman,	Salem, Was. Co. N.Y.
Loth, Bernard, B. S., LL. B.,	Silk Man'fact'r,	523 West 45th Street.
Luby, James Patrick Kenyon, A. B.,	Journalist,	430 East 58th Street.

*Deceased.

Mack, Hugo S., B. S., LL. B.,	Lawyer,	7 Beekman Street.
Man, Alrick Hubbell, A. B., LL. B.,	Lawyer,	56 Wall Street.
Marx, Louis S., B. S., LL. B.,	Lawyer,	167 Broadway.
McCutcheon, Robert H., B. S.,	Civil Engineer,	217 West 132d Street.
Moore, Eugene Patrick, A. B.,	Custom House,	325 East 12th Street.
Moritz, Charles F., A. B.,	Merchant,	Montgomery, Ala.
Nehrbas, Jacob, B. S., M. D.,	Physician,	563 Myrtle Avenue, Brooklyn.
Neumer, Emil, B. S., M. D.,	Physician,	58 Goerck Street.
Protheroe, Chas. Coffin, B. S., LL. B.,	Lawyer,	56 Wall Street.
*Ranney, Walter Lafayette, A.B., M.D.		
Rau, Henry Marcellus, A. B., Ph. D.,	Chemist,	Hanover, Pa.
Romaine, DeWitt Clinton, B. S., M. D.,	Physician,	473 Hudson Street.
Shepard, Charles Seymour, A. B.,	Clerk,	296 Broadway.
Shipman, William Henry, A. M.,	Clergyman,	Coin, Iowa.
Silverstone, Julius, B. S.,	Teacher.	
*Smith, James Albert, A. B.		
Sommers, Louis, B. S., LL. B.,	Teacher,	2 Prospect Place.
Starr, William Hoffmire, B. S.,	Engineer,	235 West 11th Street.
Stearns, Kent K., A. B.,	Insurance,	1178 Elizabeth Ave., Elizabeth, N. J.
Tifft, Irving Howard, B. S., LL. B.,	Lawyer,	271 Broadway.
Tuthill, George A., B. S.,	Cashier.	
Weed, Edgar T., A. B., M. D.,	Physician,	128 West 130th St.
White, William Storm, B. S., M. D.,	Physician,	413 West 23d Street.
Wilkie, William James, A. M.,	Clergyman and Teacher,	St. John's School, Manlius, N. Y.
Williams, Geo. Nelson, A. B., LL. B.,	Merchant,	Ave. A and 68th St.
Wilson, Charles Howard, A. B.,	Teacher,	Newton Centre, Mass.

CLASS OF 1878.

*Ansbacker, Maurice Eger, A. B.		
Ascher, Leopold, A. B., LL. B.,	Lawyer.	
Berg, Henry W., A. B., M. D.,	Physician,	245 Seventh Street.
Bernstein, Alexander, A. B., LL. B.,	Lawyer.	
Boehme, Herman Christopher, A. B.,	Teacher,	Morris Ave., and 184th Street.
Borland, Henry Weller, A. B., LL. B.,	Lawyer,	45 William Street.
Campbell, William John, A. B., LL. B.,	Lawyer,	120 Broadway.
Carey, Robert Edward, B. S.,		334 West 55th Street.
Cohen, Eugene Yancey, A. B.,	Merchant,	115 Pearl Street.
Cook, Peter W., Jr., B. S., LL. B.,	Lawyer,	320 Broadway.
De Jonge, John Christian, B. S.,	Clerk,	100 Avenue B.
Devlin, Robert John, B. S., M. D.,	Physician,	156 West 13th Street.

* Deceased.

Dobbie, Thomas William, B. S.,		544 West 43d Street.
Doring, John Frederick, A. B., G. Ph.,	Pharmacist.	
Fischel, Eugene, B. S., LL. B.,	Lawyer,	7 Beekman Street.
Fisher, Henry, A. B.,	Clerk,	43 Exchange Place.
*Fruitnight, William, A. B., M. D.		
Gilon, William Joseph, B. S.		
Gottlieb, Nathaniel I., B. S.		
Gottshall, Edward, A. B.,		102 Lewis Street.
Greenebaum, Emil, B. S.,	Book-keeper,	232 Montgomery St., San Francisco.
Gross, Magnus, Jr., B. S.,	Teacher,	541 East 86th Street.
Hardy, George Edward, A. M.,	Principal,	353 West 28th St.
Hooper, Benjamin Franklin, B. S.,	Merchant,	63 Centre Street.
Hotaling, George Preston, A. B.,	Lawyer,	36 Wall Street.
Jaretzki, Alfred, A. M.,	Lawyer,	3 Broad Street.
Kenyon, Alan Douglas, A. B., LL. B.,	Lawyer,	280 Broadway.
Koplik, Henry, A. B., M. D.,	Physician,	251 East 32d St.
Krotel, Paul, A. B., LL. B.,	Lawyer,	20 Nassau Street.
Leggat, Walter Romaine, A.B., LL.B.,	Lawyer,	Temple Court.
Leubuscher, Frederick Cyrus, A. B.,	Lawyer,	145 Nassau Street.
Lewinson, Samuel, B. S.,	Merchant,	Care F. Auerbach, Salt Lake City, Utah.
*Maas, David Anderson, A. B.		
Manne, Henry, B. S., LL. B.,	Lawyer,	201 Montague Street, Brooklyn.
Manners, Edward Clarence, A. B.,	Lawyer.	
Meyer, Julian Herrman, B. S.,	Traveler,	353 West 11th Street.
Morgenthau, Julius C., A. B.,	Tutor,	17 Lexington Avenue.
Nordlinger, Abraham, A. B., LL. B.,	Lawyer,	167 Broadway.
O'Reilly, Philip Francis, B. S.,	Student Medicine.	
Pabst, William, B. S.,	Clerk,	136 East 43d Street.
Pitkin, Lucius, A. B., Ph. B.,	Chemist,	434 Madison Avenue.
Shunway, Albert, Jr., A. B.,	Merchant,	353 West 56th Street.
Smith, Daniel, Jr., A. B., M. D.,	Physician,	351 East 86th Street.
Smith, William Wickham, B. S., LL. B.,	Lawyer,	Post Office Building.
Stitt, James Alexander, A. B.,	Lawyer,	8 Pine Street.
Weiss, Julius, A. B., M. D.,	Physician.	
Williams, Francis Smith, B. S., A. B.,	Merchant,	27 East 72d Street.
Wood, John Walter, A. M., M. D.,	Physician,	Mariner's Harb'r, S.I.

CLASS OF 1879.

Casper, Henry, A. B.,	Stud't Medicine,	230 East Broadway.
Chambers, John F., A. B., LL. B.,	Lawyer,	55 Liberty Street.
Cohn, Felix, A. B.,	Stud't Medicine,	172 East 61st Street.

* Deceased.

Dahl, Charles, B. S., LL. B.,	Merchant,	523 Fifth Street.
Dietz, William Daniel, B. S., M. D.,	Surgeon, U.S.A., Fort Selden, New Mexico.	
Dinkelspiel, Leo, A. B., M. D.,	Physician,	61 West 54th Street.
*Dougall, Robert Austin, B. S.		
Dudensing, Richard, Jr., A. B., LL.B.,	Lawyer,	173 Broadway.
Erskine, Charles Wesley, A. B.,	Silk M'fct'r,	128 East 80th Street.
Francis, Howard James, A. B.,	Book-keeper,	U. S. Nat'l Bank.
Fribourg, Theo. Louis Henry, B. S.,	Student.	
Fripp, Joseph Aloysius, A. B.,	Teacher,	55 Division Street.
Gerstle, Edward Gustavus, A. B.,	Diamonds,	24 Maiden Lane.
Gray, Joseph Francis, B. S., M. D.,	Physician,	314 West 31st Street.
Guilfoy, William Henry, B. S.,		103 Greenwich St.
Herman, Henry, A. B., M. D.,	Physician,	589 Lexington Ave.
Herrmann, David Uriah, B. S.,	Broker,	80 Broadway.
*King, James Foster, A. B.		
Korn, Max Saloshinsky, A. B., LL. B.,	Lawyer,	261 Broadway.
*Leary, Cornelius John, B. S.		
Legras, Gustave, B. S.,	Tutor,	1429 Park Ave.
Levy, Nathan Max, B. S.,	Student.	
Mathews, Frederick, B. S., M. D.,	Physician,	114 Avenue C.
McFarland, John Francis, B. S.,	Teacher,	1661 Pacific Street, Brooklyn.
McWilliam, John Smith, A. B., LL.B.,	Lawyer,	71 Broadway.
Merington, Richard W. E., A. B.,		449 East 114th St.
Miller, Henry F., A. M., LL. B.,	Lawyer,	336 East 41st Street.
Mischlich, Adolph R., B. S.,	Teacher,	215 Seventh Street.
*Mulford, William A. F. P., A. B.		
Murgatroyd, Edwin Robert, A. M.,	Clergyman.	
Perkins, George W., A. B., LL. B.,	Lawyer,	55 Liberty Street.
Perrin, Ernest, A. B.,		31 Fifth Avenue.
Pollitzer, Sigismund, A. M., M. D.,	Physician,	306 West 33d Street.
Powers, Fred. Alden, B. S.,	Manager,	42 Market Street, Sydney, N. S. W.
Price, Lewis, B. S., M. D.,	Physician.	
Roth, Julius August, A. B., M. D.,	Physician,	308 East 79th Street.
Schachtel, Michael, Jr., B. S.,	Real Estate,	153 West 16th Street.
Schutz, Bernard, B. S.		
Scheur, Ralph, A. B.,	Merchant,	147 East 61st Street.
Scott, John Frederick, A. B.,	St'd'nt Theology,	136 East 80th Street.
Shumway, Willard A., E. M., A. M.,	U. S. Geological Survey,	351 West 56th Street.
Spillinger, Jacob, B. S., M. D.,	Physician,	125 Suffolk Street.
Stoddart, Allen Montgomery, A. B.,	Lawyer,	95 Fourth Street, Brooklyn, E. D.

* Deceased.

Struse, Otto Frederick, B. S., LL. B., Lawyer,		64 Grand St., Brooklyn, 35 Broadway.
Turner, Wm. Lemmon, A. B., LL. B., Lawyer,		244 East 86th Street.
Van Dyck, Alex. Scott, A. B., Clergyman,		24 India St., Green-point, L. I.
Weeks, Bartow Sumter, A. B., Lawyer,		10 Wall Street.
Weiss, Geo. Conrad, A. B., M. D., Physician,		Mount Vernon, N. Y.
Wittmack, Chas. August, M.S., Ph.D., Chemist,		98 Wall Street.
Youry, William Henry, A. B.		

CLASS OF 1880.

Berle, Adolph William, B. S.,	Stud't Medicine,	120 Seventh Street.
Bohmfalk, Charles W., B. S.,	Stud't Medicine,	231 East 55th Street.
Breakall, William Thomas, B. S.,	Civil Engineer,	366 West 18th Street.
Burchard, Roswell B., A. B.,	Teacher,	24 West 40th Street.
Calkins, Fred. H., A. B.,		147 West 49th Street.
Carroll, Thos. Michael Joseph, B. S.		
Carter, Henry Clinton, B. S., LL. B., Lawyer,		Waialua (Oahu), Hawaiian Islands.
Clarke, R. Floyd, A. B., LL. B.,	Lawyer,	143 East 58th Street.
Cowen, William, A. B.,	Student Medicine.	
Davis, George Herbert, B. S.,	Ass't Supt.,	146 Grand Street.
Doubleday, Edwin Snow, B. S.,	Merchant,	159 Front Street.
Eaton, Alfred, A. B.,	Custom House,	206 West 39th Street.
Engelsman, Gabriel, A. B., Ph. D.,		225 East 128th Street.
Foggin, Edward,		129 East 83d Street.
Frankenberg, Jacob Henry, B. S., M. D., Physician,		142 East 74th Street.
Gross, Anthony, A. B.,	Clerk,	22 Rutgers Street.
Gutgsell, William T., B. S.,	Clerk.	
Harris, Alexander Henry, A. B.,	Hat and Cap Factory,	270 McDonough St., Brooklyn.
Harris, Moses J., B. S.,	Lawyer,	191 Smith Street, Brooklyn.
Honigman, J. Leo, A. B.,	Clerk,	40 Lispenard Street.
Hume, John Charlick, B. S.,	Engineer,	Long Island City.
Johnston, Albert Edward, A. B.,	Clerk,	Mott Avenue, near 150th Street.
Keim, George H., A. B.,	Custom House,	440 East 83d Street.
Kost, Henry G., B. S.,	Tutor,	164 East 63d Street.
Lesser, Maximus A., A. M., LL. B.,	Lawyer,	123 Garden Street, Hoboken, N. J.
Levy, Charles Emanuel, B. S.,	Lawyer.	
Leyendecker, Philip T., Jr., A. B.,	Stud't Medicine,	114 First Street.
Ludlow, Ogden Curtis, M. S., M. D.,	Physician,	338 West 59th Street.

Mack, Harry W., A. M., LL. B.,	Lawyer,	325 West 58th Street.
Mahon, James Fitus, B. S.,		129 East 82d Street.
Mahon, Robert Joseph, B. S.,	Lawyer,	108 West 45th Street.
Martin, August Lewis, B. S., LL. B.,	Lawyer,	30 Broad Street.
Mestre, Alfred, B. S., LL. B.,	Lawyer,	Mamaroneck, N. Y.
Mowbray, William Eager, B. S.,	Builder,	104 East 85th Street.
Mulqueen, Joseph Francis, A. M.,	Tutor,	51 Henry Street.
Noble, Henry George S., A. B.,	Broker,	2 West 16th Street.
Nordlinger, Edwin H., A. B.,	Clerk,	235 West 52d Street.
Powell, Frederick, A. B., M. E.,		Mining Engineer, Central City, Col.
Price, David, B. S.		
Rice, Edwin Thomas, Jr., A. B., LL.B.,	Lawyer,	41 West 124th Street.
Sexton, James William, B. S.		
Shethar, Edwin Hall, B. S.,	Merchant,	548 Broadway.
Smith, Charles William, B. S.	Engineer,	9 Chambers Street.
Steckler, Louis, B. S., LL. B.,	Lawyer,	120 Broadway.
Stein, Richard, A. B.,	Stud't Medicine,	Wurzburg, Germany.
Straubenmueller, Gustave, A. B.,	Teacher,	320 Sixth Street.
Torek, Francis John Albert, A. M.,		
	M. D.,	Physician,
*Torek, Paul C. J., A. B.		546 Third Avenue.
Tucker, Frank, B. S.,	Clerk,	228 East 123d Street.
Wolf, Henry J., A. B., M. D..	Physician.	

CLASS OF 1881.

Aaron, Herman, B. S.,	Lawyer,	38 Park Row.
Bacon, Frederick Albert, A. B.,	Clerk,	172 Alexander Ave.
Baumeister, John, M. S.,	Tutor,	Newtown, L. I.
Beran, Theodore, A. B.,	Clerk,	560 Lexington Ave.
Bittiner, Edmund, A. B.,		209 West 32d Street.
Boas, Edmund A., A. B.,		208 State Street, Chicago, Ill.
Brothers, Abram, B. S., M. D.,	Physician,	102 Madison Street.
Budd, Ogden Doremus, A. B.,	Custom House,	264 Lexington Ave.
Carroll, Edward P., B. S.		
Casper, Mark, A. B.,	Teacher.	230 East Broadway.
Einhorn, Daniel, A. B.,	Lawyer.	
Esberg, Moses, A. B., LL. B.,	Lawyer.	115 Columbia Street.
Ettinger, Leo, A. B., M. D.,	Physician,	132 East 124th Street.
Freedman, Edwin Jackson, A. B.,	Lawyer,	Tryon Row.
Giles, William Warren, A. B.,	Clergyman,	358 West 19th Street.
Gross, Louis N., B. S.,	Stud't Eng'ng,	38 East 58th Street.
Haas, George, B. S.,	Lawyer,	128 East 4th Street.
Happy, Frederick Albert, B. S.,	Clerk,	113 West 56th Street.

* Deceased.

Hunt, Frederick George, A. B.,	Lawyer.	
Hyde, James W., A. B., LL. B.,	Lawyer,	140 Nassau Street.
Kakeles, Moses, B. S.,	Stud't Medicine,	243 East 49th Street.
Kenyon, Robert Nelson, A. B.,	Lawyer,	301 West 55th Street.
Lichtenstein, Julius, A. B., M. D.,	Physician,	327 East 119th Street.
Lockwood, Geo. Roe, Jr., A.B., M.D.,	Physician,	30 East 35th Street.
Lunn, Richard Brook, B. S.,		632 Eighth Avenue.
McAdie, Alexander George, A. M.,	U.S.Sig'l Service,	136 Christopher St.
McCormick, John, A. B.,	Lawyer,	355 Broome Street.
McKinney, Alexander Harris, A. M.,	Clergyman,	236 Third Avenue.
McNulty, John J., B. S.,	Teacher,	40 Barrow Street.
Martin, Daniel Hoffman, A. B.,	Clergyman.	
Mayer, William Edwin Cox, A. B.,	Clerk,	426 East 66th Street.
Mestre, Aurelius E., B. S.,	Sugar Man'fr,	Havana, Cuba.
Nammack, William H., A. B.,	Teacher,	28 Oliver Street.
Newton, William A., B. S..	Bank Clerk,	Tenth Ave. bet. 158th and 159th Streets.
Olcott, W. Morrow Knox, A.M., LL.B.,	Lawyer,	156 Broadway.
O'Reilly, John Joseph, A. B.,	Teacher,	266 West 124th St.
Perkins, Frank Kendall, B. S., M. D.,	Physician,	356 West 14th Street.
Piddian, Ascher L., A. B.,	Broker,	223 South 4th Street, Brooklyn.
Popper, Edwin S., B. S.,	Clerk,	67 East 112th Street.
*Riedemann, George, B. S.		
Roeser, Frederick, B. S.,	Stud't Eng'ng,	254 West 32d Street.
*Schroeder, Herman, B. S.		
Stitt, Edward Walmsley, B. S.,	Teacher,	230 West 104th St.
Ulmann, Albert, B. S.,	Publisher,	41 Maiden Lane.
Weinmann, Moses, A. B.,	Lawyer,	130 East 82d Street.
Wells, Edmund Bulkley, B. S.,	Student of	
	Architecture,	1067 Madison Ave.
*Worms, Adolph, A. B.		

CLASS OF 1882.

*Aron, Louis Edgar, B. S.		
Bonynge, Robert William, A. M., LL. B.,	Lawyer,	320 East 124th Street.
Brown, Henry Everit, A. B.	Student at Law,	140 West 11th Street.
Byrnes, Lawrence J., B. S.,	Clerk.	
Churchill, Thomas William, A. B.,	Custom House,	41 Oliver Street.
Clark, Edwin F., A. B.,	Merchant,	183 Forsyth Street.
Condon, John Francis, A. B.,	Teacher,	882 East 169th Street.
Corey, Henry B., A. B., LL. B.,	Lawyer,	314 Broadway.
Cronson, Reuben, A. B.,	Teacher,	317 East 119th Street
Dusenbury, Edwin Coles, A. M.,		White Plains, N. Y.

* Deceased.

Faulkner, Henry Charles, A. B.,	Editor,	853 Broadway.
Fribourg, Arnold L., B. S.,	Lawyer.	323 East 58th Street.
Friedrichs, Rudolph Victor, B. S.,	Student at Law,	68 West 131st Street.
Goldsticker, William, A. B.,		236 East 68th Street.
Goodwin, Fred'k van Bebber, A. B.,	Student,	Governor's Island.
Hayman, Morris Henry, B. S.,	Student at Law,	209 East 21st Street.
Howell, John Sands, B. S.,		336 West 19th Street.
Ilgen, Ernest, A. B.,	Student,	Munich, Germany.
Jacobs, Abraham, A. B.,	Merchant,	159 East 93d Street.
Kempner, Elias, B. S.,		246 East 53d Street.
Kieran, James Michael, A. B.,	Teacher,	121 East 120th Street.
Kleine, George, A. B.,	Custom House,	274 Eighth Avenue.
*Leckerling, William, Jr., A. B.		
Leman, Francis Frederick, A. B.,	Student at Law,	300 North 4th Street, St. Louis, Mo.
McDowell, George W., A. M., M. D.,	Physician,	151 West 130th St.
Mueller, Fred. G., A. B.,	Clerk,	142 East Houston St.
Muller, Walter, B. S.,	Clerk,	125 Mercer Street, Jersey City.
Murray, Robert M., A. B.,	Grain,	222 West 20th Street.
Nehrbas, John, B. S.,	Teacher,	310 East 43d Street.
O'Neill, Oscar T., A. B.		
Oudin, Felix A., A. B.,	Clerk,	230 East 18th Street.
Pfeiffer, Felix, A. B.,	Stud't Medicine.	235 East 10th Street
Prochazka, John, A. B.,	Chemist,	15 East 12th Street.
Rachau, William H., B. S.,	Clerk,	280 Broadway.
Ritterbusch, Hugo Henry, A. B.,	Instructor,	729 Ninth Avenue.
Schubart, Louis H., B. S.,	Stud't Chemistry,	Berlin, Germany.
See, George N., B. S.		
Shulman, Alexander, A. B., M. D.,	Physician.	319 East 10th Street.
Sims, Alfred F., B. S.,		122 Roosevelt Street.
Sims, Edmund Joseph, B. S.		
*Sinclair, James Drummond, A. B.		
Stein, Julius, A. B., M. D.,	Physician,	273 East 7th Street.
Tynberg, Sigmund, A. B., M. D.,	Physician.	321 East 42d Street and Charity Hosp.
Watson, William Scott, Jr., A. M.,	Stud't Theology,	P.O. Box 505, Princeton, N. J.

CLASS OF 1883.

Balken, William S., M. D., A. M.,	Physician,	336 East 18th Street.
Barnett, Solomon, B. S., M. D.,	Physician.	319 Eighth Avenue.
Brown, Ronald Ketchum, A. B.,	Lawyer,	2004 Fifth Avenue.
Brush, Louis T., B. S.,	Clerk,	382 Eighth Street, Brooklyn.

*Deceased.

Buttenwieser, Joseph Leon, A. B.,	Teacher,	305 East 57th Street.
Cabaret Luther Origène, A. B.,	Teacher,	191 East 76th Street.
Cristadoro, Arthur, B. S.,		442 West 22d Street.
*Delaney, George M., B. S.		
Falk, Isaac Newton, A. B.,	Lawyer,	347 East 14th Street.
Felter, William Landon, A. B.,	Teacher G. S. 18,	331 Manhattan Ave., Brooklyn.
Fräuaf, John Lewis, A. B.,	Teacher,	621 Lexington Ave.
Gibb, William Travis, B. S., M. D.,	Physician,	135 East 42d Street.
Gill, Joseph, A. B.,		161 East 114th Street.
Ginsburger, Emil, B. S.,	Architecture,	1616 Avenue A.
Gordon, William, A. B., M. D.,	Physician,	7 West 15th Street.
Hanley, James Arthur, A. B.,	Teacher,	Registar's Office.
Hanaway, Samuel, B. S.,	Teacher,	160 Chrystie Street.
Herring, Charles Edward, A. B.,		339 Bowery.
Jarecky, Herman, A. B., M. D.,	Physician,	2327 Third Avenue.
Lane, J. Albert, A. B.,	Lawyer,	207 West 43d Street.
Mack, Walter S., B. S.,	Clerk,	325 West 58th Street.
Mettler, Lee Harrison, A. M., M. D.,	Physician,	1938 N. Broad St., Philadelphia.
Minrath, Robert, A. B.,		130 East 18th Street.
Mosenthal, Philip James, B. S.,	Insurance,	338 West 55th Street.
Mott, Lewis Freeman, M. S.,	Tutor,	367 West 19th Street.
Park, William H., A. B., M. D.,	Physician,	164 West 11th Street.
Paulman, Frederick Henry, B. S.,	Custom House,	Mt. Vernon, N. Y.
Pope, George C., A. B.,	Stud't Medicine,	100 East 85th Street.
Powell, H. Wheeler, B. S.,	Engineer,	114 West 123d Street.
Purdy, Theodore Martindale, B. S.,	Merchant,	304 Madison Avenue.
Rauch, David L., B. S.,	Teacher,	257 East 48th Street.
Rosenstock, Samuel, B. S.,	Stud't Pharmacy,	191 First Avenue.
Sanders, Frederick William, A. B.,	Student at Law.	
Schaettler, George, A. B.,	Student at Law,	204 West 124th St.
Schüllinger, Otto, A. B.,	Student at Law,	238 East 58th Street.
Schwerd, Max J., M. S., M. D.,	Physician,	58 East 112th Street.
Stark, Henry Solomon, A. B., M. D.,	Physician,	270 East 7th Street.
Traub, John Emil, A. B., M. D.,	Physician,	415 West 38th Street.
Van Doren, Louis Otis, A. B.,	Student at Law,	Corner 145th Street and Third Ave.
Van Vliet, Purdy, A. B.,	Lawyer,	55 Liberty Street.
Wade, Joseph Henry, A. B.,	Teacher,	53 Park Street.
Wels, Paul O., B. S.,	Stud't Eng'ng,	110 East 112th St.
Wolfertz, Charles Wm., M. S., M. D.,	Physician,	231 East 11th Street.
Zwinge, William P., A. B.,	Custom House,	39 First Avenue.

* Deceased.

CLASS OF 1884.

Barney, Lewis W., A. B.,	Stud't Theology,	329 East 29th Street.
Bischof, George J., B. S.,	Stud't Eng'ng,	611 East 9th Street.
Bliss, Henry Eugene, B. S..		374 Eighth Street.
Burnett, Ben. Adams, A. B.,		622 East 142d Street.
Byrne, Edward A., B. S.		
Carls, Gustave A., B. S.		
Coakley, Cornelius G., M. D., A. M.,	Physician,	Hempstead, L. I.
Cronson, Bernard, A. B.,	Teacher,	317 East 119th St.
Darling, Joseph Francis, A. B.,	Teacher,	122 East 23d Street.
Delanoy, Edwin P., B. S.,	Clerk,	1 Nassau Street.
Erlandsen, Oscar, B. S.,	Draughtsman,	328 East 86th Street.
Fuchs, William, B. S.,	Teacher,	Winfield, L. I.
Greene, William Hallett, A. B.,	Signal Service.	
Hahlo, Louis Herbert, A. B., LL. B.,	Lawyer,	19 East 53d Street.
Holmes, James Edward, A. B.,	Stud't Theology,	165th Street & Washington Avenue.
Hopkins, Milton, A. B.,	Lawyer.	Glen Cove, L. I.
Kohns, Lee, B. S.,	Porcelain,	42 Warren Street.
Ladinski, Louis Julius, A. B., M. D.,	Physician,	Mt. Sinai Hospital.
Lane, James Warren, B. S.,	Clerk,	131 East 21st Street.
Lichtenstein, Solomon Katten, A. B.,		208 East 79th Street.
Lindheimer, Julius Jacob, A. B.,		247 East 33d Street.
Manges, Morris, A. M., M. D.,	Physician,	180 East 75th Street.
Martin, Daniel Francis, A. B.,	Teacher,	332 East 37th Street.
Marvin, David Meekes, A. M., M. D.,	Physician,	2099 Fifth Avenue.
Marx, Moses, A. B.,		305 East 56th Street.
Mason, Frank Gillette, A. B.,	Clerk,	Boston Avenue, near 165th Street.
Maury, Rutson, B. S., M. D.,	Physician,	41 East 28th Street.
Mayer, Julius Marshall, A. B., LL. B.,	Lawyer,	2136 Seventh Ave.
Menken, Percival Solomon, A. B.	Broker,	60 Broadway.
Miskowsky, Louis F., B. S.,	Stud't Medicine,	307 East 53d Street.
Murray, Charles, B. S.,	Clerk,	5 Wall Street.
Pedersen, James, B.S.,	Stud't Medicine,	327 West 34th Street.
Penman, John Simpson, A.B.,	Stud't Theology,	George Street and Tinton Avenue.
Pfeiffer, David, A. B.,	Clerk,	235 East 10th Street.
Reed, William Henry, A. B.		
Roeder, Benjamin Franklin, B. S.,	Dramatic Stud't,	96 Avenue C.
Rupp, August, A. B.,	Tutor,	961 Third Avenue.
Scripture, Edward Wheeler, A. B.,	Teacher,	308 West 29th Street.
Smith, Theodore Eugene, Jr., A. B.,	Lawyer,	101 West 53d Street.
Todd, Edward Farnham, A. B.,		225 West 52d Street.

Tuska, Samuel Adolph, A. B.,		223 East 18th Street.
Van Winkle, Jacob Outwater, A.B., M.D. Physician,		Hackensack, N. J.
Vosburgh, Myra Alison, A. B.,		205 West 123d Street.
Zeh, Adolph, A. B., M. D.,	Physician,	357 West 44th Street.

CLASS OF 1885.

Aaron, Isaac, B. S.,		Care of H. Aaron, 38 Park Row.
Abrams, Alexander, A. B.,	Stud't Medicine,	274 Seventh Avenue.
Adair, Walter Jollie, A. B.,	Clerk,	159 Joralemon Street, Brooklyn.
Bach, Louis Philip, B. S.,	Pianos,	240 East 27th Street.
Barnett, Maurice, B. S.,	Stud't Chemistry,	150 East 60th Street.
Decker, William Frederick, B. S.,	Clerk,	154 West 45th Street.
Devoe, Franklin Minturn, Jr., B. S.,	Merchant,	176 Franklin Street, Brooklyn, E. D.
Fitch, George Walter, B. S.,	Teacher,	124 West 42d Street.
Fromme, Abraham L., A. B.,	Lawyer,	331 Sixth Street.
Hastie, James L., Jr., A. B.,	Stud't Theology,	336 East 30th Street.
Hicks, Louis, A. M.,	Student,	209 West 14th Street.
Hildreth, Percy Stearns, B. S.,	Clerk,	25 Madison Avenue.
Hoffman, Benjamin Byron, A. B.,	Student.	
Hofmann, Ferdinand Florenz, B. S.,		405 East 53d Street.
Kaminski, Edward Vladimir, A. B.,	Student,	779 Lexington Ave.
McAuliffe, Geo. B., A. B.,	Stud't Medicine,	759 Second Avenue.
McCreery, Forbes Robert, B. S.,	Tutor,	350 Lexington Ave.
Mack, Alfred W., A. B.,	Clerk,	325 West 58th Street.
Mack, Henry, A. B.,	Student at Law,	231 East 52d Street.
Martin, Thomas William, B. S.,		Kingsbridge.
Metcalf, Fred Lemont, B. S.,		141 East 16th Street.
Miller, Rudolph Philip, B. S.,	Stud't Engin'g,	244 Madison Street.
Moritz, Isaac Frank, B. S.,	Correspondent,	152 East 94th Street.
Nathan, Harold, M. S.,	Tutor,	1071 Park Avenue.
Neumann, Hugo, B. S.,		Foot 75th St., E. R.
Ondin, Maurice Agnus, A. B.,		230 East 18th Street.
Randolph, Eugene Henry Lewis, A.B., Manufacturer,		71 West 97th Street.
Schneider, August Adolph Fred'k, B.S.,		31 Attorney Street.
Schulman, Samuel, A. B.,	Stud't Theology,	Berlin.
Sondheim, Leopold, M. S., LL. B.,	Lawyer,	14 West 125th Street.
Stachelberg, Charles Grant, B. S.,	Tobacco,	2005 Fifth Avenue.
Stephenson, John Charles, A. B.,	Teacher,	70 Christopher Street.
Webster, Andrew Lincoln, A. B.,		47 North Moore St.
Wendel, Fred. Chas. H., A.B., Ph.D.,	Teacher,	1240 Third Avenue.

CLASS OF 1886.

Bradley, Edward John, B. S..	Student at Law,	101½ Lewis Street.
Bullowa, Alfred Lyon, A. B.,	Merchant,	146 East 55th Street.
Byrnes, James Charles, B. S..	Teacher,	205 East 46th Street.
Camp, Frederick Augustus, A. B.,	Student at Law,	215 West 127th St.
Carl, John, B. S.,		313 West 39th Street.
Dean, Bashford, A. B.,		326 Rivervale Ave., Yonkers, N. Y.
Downer, Charles Alfred, A. B.,	Teacher,	206 West 24th Street.
Eaton, Henry Ware, A. B.,		
Elliott, Gilbert Molleson, A. B.,	Teacher,	10 West 127th Street.
Floyd, William Toel, A. B.,		65 West 130th Street.
Greenhall, Charles L., B. S.,	Student at Law,	147 East 72d Street.
Gutman, Abraham L., B. S.,		129 East 61st Street.
Hill, Aaron C., A. B.,		327 East 3d Street.
Knipe, Isaac McGay, A. B.,	Clerk,	763 Greenwich Street.
Kottman, William Adolph, B. S..	Student at Law,	45 Columbia Street.
La Fetra, Edward B., A. B.,		325 Second Avenue.
Mason, Carl Schultz, B. S.,	Student,	1423 Lexington Ave.
Menken, Mortimer Morange, A. B.,	Lawyer,	24 West 91st Street.
Morris, Edward Myre, B. S.,	Student at Law,	839 Eighth Avenue.
Morris, Louis, A. B.,	Stud't Medicine,	509 Canal Street.
Nordby, Conrad Hjalmar, B. S.,	Teacher,	332 West 26th Street.
Oberndorfer, Nathaniel H., B. S.,	Merchant,	127 East 64th Street.
O'Donnell, James Aloys, B. S.,	Teacher,	433 West 40th Street.
Perkins, Edward White, A. B.,		40 East 66th Street.
Petrasch, Carl Schurz, B. S.,	Clerk,	71 West 55th Street.
Poor, Charles Lane, B. S.,		42 West 19th Street.
Rush, Thomas Edward, A. B.,	Stud't Engin'g,	28 Hamilton Street.
Schavel, William, B. S.,		
Schultze, Otto Henry, A. B.,	Stud't Medicine,	63 West 127th Street.
Shiels, Albert, A. B.,	Stud't Pharmacy,	821 Broadway.
Stroock, Moses Jesse, B. S.,	Student at Law,	173 East 95th Street.
Thain, Mortimer Porter, B. S.,		20 East 83d Street.
Veit, Benjamin, B. S.,	Teacher,	339 East 62d Street.
Wendt, Fred William, B. S.,		18 East 36th Street.
Wood, John Wilson, B. S.,		6 East 28th Street.
Yates, Samuel Wylie McLeod, A. B.,		304 West 30th Street.
Zerega, Louis Augustus, A. B.,	Student,	N.Y. Graduate Ass'n, 427 Fourth Ave.

CLASS OF 1887.

Baron, Adolph, A. B..	Stud't Medicine,	236 East 40th Street.
Baumeister, Theodore, B. S.,	Student at Law,	306 East 23d Street.

Berghane, Frederick Albert, B. S.,	Teacher,	316 West 30th Street.
Blumenstieler, Emanuel, A. B.,	Student at Law,	108 East 79th Street.
Bradley, Thomas J., A. B.,	Teacher,	101½ Lewis Street.
Dunlop, Samuel Robert, B. S.,		326 West 48th Street.
Eising, Harry, B. S.,		6 East 66th Street.
Elder, Joseph A., A. B.,		337 East 68th Street.
Griffith, Harry B., B. S.,		708 Lexington Ave.
Guth, William C., A. B.,	Stud't Medicine,	253 East 71st Street.
Haase, Lewis M. F., A. B.,	Editor,	794 Lexington Ave.
Howe, John Wesley, B. S.,		311 West 17th Street.
Hubbell, George William, A. B.,		2027 Fifth Avenue.
Iseli, Henry Emile, B. S.,		25 South Fifth Ave.
Jarmulowsky, Meyer, A. B.,		201 Henry Street.
Johns, William H., B. S.,		317 East 118 Street.
Josephthal, Louis Maurice, B. S.,		128 East 72d Street.
Kurzman, Seymour P., A. M.,	Student at Law,	119 East 65th Street.
Lyon, Theodore Edward, Jr., B. S.,	Teacher,	148 West 122d Street.
McElveen, William T., A. B.,		1078 Third Avenue.
McEwen, G. Floy, A. B.,		36 West 34th Street.
McGuire, John F. E., A. B.		
Meiowitz, Philip, B. S.,	Student,	374 East Houston St.
Oppenheim, Samson David, B. S.,		144 West 71st Street.
O'Shea, William J., B. S.,	Teacher,	83 Pike Street.
Requa, Robert Russell, A. B.,	Stud't Medicine,	43 West 22d Street.
Roche, Thomas Henry, B. S.,	Clothing,	157 East 72d Street.
Rosenthal, Abraham, A. B.,	Stud't Medicine,	422 East 85th Street.
Rosenwald, Benno, B. S.,	Banking,	55 East 60th Street.
Schneider, Henry George, B. S.,	Teacher,	610 West 47th Street.
Schreier, Eli S., B. S.,	Student at Law,	168½ Attorney Street.
Serrano, Vicente, A. B.,		711 Lexington Ave.
Smith, Augustus, A. B.,	Stud't Engin'g,	460 West 44th Street.
Smith, Robert Frederick, B. S.,		287 West 4th Street.
Sondheim, Eugene, A. B.,		14 West 125th Street.
Stake, George William, A. B.,	Student at Law,	123 East 52d Street.
Winslow, Francis Asbury, B. S.,		326 West 55th Street.
Wray, Stephen, A. B.,	Student at Law,	1883 Vyse Street, West Farms.
		163d Street, West Morrisania.
Wright, Theodore A., B. S.,		

CLASS OF 1888.

Bamman, Harry Lewis, B. S.,		159 Avenue B.
Barnett, Jacob, A. B.,	Student,	81 East Broadway.
Bell, John H., A. B.,		149 East 38th Street.
Bieser, Augustus Edward, A. B.,		556 West 54th Street.

Brouner, Walter Brooks, A. B.,	256 West 12th Street.
Carnes, Mason, A. B.,	24 East 17th Street.
Davies, Charles Franklin, B. S.,	171 East 82d Street.
Devlin, Bernard Joseph, A. B.,	1459 East Boulevard.
Drummond, Lewis Evans, A. B.,	280 B'way, room 138.
Dunscomb, Samuel Whitney, Jr., A. B.,	24 West 128th Street.
Eckerson, Frank L., A. B.,	114 West 125th St.
Elder, John, A. B.,	337 East 68th Street.
Erdman, Albert, B. S.,	117 East 65th Street.
Ericson, Charles, B. S.,	328 East 55th Street.
Glaze, George W., B. S.,	117 East 60th Street.
Hadden, Henry Cornell, A. B.,	48 West 127th Street.
Haney, James Parton, B. S.,	1233 Third Avenue.
Hatting, Peter August, A. B.,	1811 Third Avenue.
Hershfield, Isidor, A. B.,	199 Henry Street.
Hottenroth, Adolph C., B. S.,	297 Bowery.
Huber, Hugo F., B. S.,	212 East 20th Street.
Jasper, William Henry, B. S.,	554 Hudson Street.
Jones, Frank Lawrence, A. B.,	319 East 57th Street.
Knox, T. Harry, B. S.,	215 West 123d St.
Koehler, Edwin H., B. S.,	40 East 64th Street.
Kohn, Albert, A. B.,	748 5th Street.
Koplak, Charles, B. S.,	139 Park Row.
Leiserson, George Washington, A. B.,	221 East 128th Street.
Levy, Arthur Bernard, B. S.,	235 East 50th Street.
Levy, Lehman, B. S.,	340 East 50th Street.
Lowinson, Oscar, B. S.,	S. W. cor. 114th St. & Pleasant Ave.
Mandel, Edward, A. B.,	211 Division Street.
Marks, Louis Benedict, B. S.,	778 Lexington Ave.
Merz, Eugene, B. S.,	48 St. Mark's Place.
Mitchell, James Bryor, A. B.,	1535 Washington Ave.
Mitchell, Richard Henry, A. B.,	1535 Washington Ave.
O'Connell, Jerome A., B. S.,	159 East 123d Street.
Palmer, Earl Fenton, B. S.,	200 West 123d Street.
Parmly, Charles Howard, B. S.,	344 West 29th Street.
Perham, Frederick Elliott, B. S.,	2127 Fifth Avenue.
Potter, George Sabine, Jr., A. B.,	39 West 20th Street.
Potter, Nathaniel Bowditch, A. B.,	39 West 20th Street.
Quesada, Gonzalo de, B. S.,	425 West 51st Street.
Rauch, Morris S., B. S.,	122 East 117th Street.
Rosenberg, Max, B. S.,	121 East 103d Street.
Ryan, James A., B. S.,	127 East 91st Street.
Ryan, William Thomas, A. B.,	210 West 17th Street.
Salter, George Ferry, B. S.,	38 Irving Place.

Schoen, Horatio, B. S.,	121 Second Avenue.
Schwick, Charles, B. S.,	420 East 9th Street.
Stein, Sidney, A., A. B.,	5 Mitchell Place, East 49th Street.
Stern, Charles S., A. B.,	78 East 108th Street.
Stevens, Plowdon, Jr., B. S.,	150 West 99th Street.
Tuska, Gustav R., B. S.,	223 East 18th Street.
Wieland, William Charles, B. S.,	212 West 30th Street.

STUDENTS.

SENIOR CLASS.

Abraham, William,	141 Suffolk Street.
Alsdorf, Edward G.,	237 West 51st Street.
Alsheimer, Joseph J.,	220 East 20th Street.
Angell, Frank Stanleigh,	213 West 23d Street.
Bachmann, Isaac,	270 West 127th Street.
Baruch, Bernard M.,	47 East 60th Street.
Bernstein, Saul,	41 East Broadway.
Blan, Samuel Augustus,	226 East 48th Street.
Brandt, William J.,	176 East 88th Street.
Carpenter, Marius A.,	251 West 123d Street.
Carter, Stephen Tallmadge,	222 West 23d Street.
Cohn, Julius H.,	627 Third Avenue.
Cohn, Samuel,	342 West 47th Street.
Constant, Joseph Anthony,	24 Park Place.
Curry, John Pinkerton,	128 West 61st Street.
Dunlop, James John,	326 West 48th Street.
Dunn, Gano Sillick,	3 Bank Street.
Fischlowitz, Gustav G.,	297 Greenwich Street.
Fuentes, Ventura,	253 West 84th Street.
Goldstein, Philip,	103 Goerck Street.
Goldstein, Samuel,	166 First Avenue.
Hoch, John,	162 East 64th Street.
Horne, Chas. F.,	68 East 49th Street.
Jenks, Elijah, Jr.,	446 West 37th Street.
Kletchka, John Joseph,	92 Vesey Street.
Laase, Christian, Jr.,	641 East 9th Street.
Lessler, Montague,	432 East 57th Street.
Ludwig, Henry, Jr.,	299 Seventh Avenue.
Lydon, Richard P.,	842 Lexington Avenue.
McBarron, John,	283 East Broadway.

McQueeney, Edward Cleveland,	790 Eleventh Avenue.
Merritt, Fowler,	305 East 56th Street.
Mohr, Walter Martin,	17 Bedford Street.
Morgenstern, Julius,	566 Grand Street.
Morse, Livingston Burrill,	44 West 17th Street.
Pedersen, Frederick Malling,	327 West 34th Street.
Prince, Julius,	120 East 107th Street.
Reardon, Dennis Joseph,	348 West 48th Street.
Rosenblueth, Jacob,	340 East 65th Street.
Rothschild, Louis Frank,	51 East 60th Street.
Scheuer, Maurice,	26 East 76th Street.
Schlesinger, Anthony,	84 Pitt Street.
Schuyler, Livingston,	311 East 86th Street.
Schwarz, Sampson Henry,	105 East 79th Street.
Simon, Solomon,	440 W. 22d Street.
Smith, Arthur,	460 West 44th Street.
Smith, John J.,	1704 First Avenue.
Springsted, James William,	435 West 24th Street.
Van Pelt, John N.,	2365 Third Avenue.
Warner, Theodore Alfred,	325 East 30th Street.
Waterbury, Ezra K.,	104 East 10th Street.
Wingebach, Joseph Franklin,	129 Stanton Street.

JUNIOR CLASS.

Abrahamson, Isador,	135 East 119th Street.
Alexander, Arthur A.,	163 West 97th Street.
Baum, Joseph,	167 East 82d Street.
Bleil, Frederick,	106 Eldridge Street.
Blumenthal, Martin,	312 East 15th Street.
Boyrer, William Charles,	669 East 138th Street.
Breitwieser, Leonard L.,	74 7th Street.
Brickner, Edwin Soles,	812 Lexington Avenue.
Broas, Charles H.,	747 East 175th Street, Tremont.
Brodek, Charles,	808 Lexington Avenue.
Brower, James C.,	144 West 16th Street.
Buechler, William Frederick,	14 Jefferson Street.
Burke, Edmund,	62 Pike Street.
Duggan, Stephen Pierce,	341 East 23d Street.
Dutcher, George T.,	332 West 59th Street.
Elder, Robert,	337 East 68th Street.
Elsberg, Charles Albert,	114 East 58th Street.
Engel, Jacob,	168½ Attorney Street.
Este, Rafaelle Angelo,	53 West 125th Street.
Fischlowitz, Abraham,	297 Greenwich Street.

Fitch, Albert F., Jr.,	236 East 71st Street.
Fuller, Eugene Bacon,	348 East 119th Street.
Galland, Justin Samuel,	103 East 79th Street.
Garritt, Albert Warner,	166 West 128th Street.
Greanelle, William J.,	64 East 123d Street.
Halligan, Thomas,	236 7th Street.
Handy, Arthur W.,	131 West 32d Street.
Haniphy, Joseph A.,	99 Monroe Street.
Hanson, Theodore,	409 West 57th Street.
Herrman, Charles,	27 West 115th Street.
Herskovitz, Herman, Jr.,	780 Second Avenue.
Huebsch, Daniel A.,	791 Lexington Avenue.
Hühner, Leon,	358 East 121st Street.
Jacobs, Alfred Moss,	463 Sixth Avenue.
Jacobsohn, William,	334 East 52d Street.
Keeler, Frederick Sterling,	106 East 38th Street.
Kelby, Thomas,	60 St. Mark's Place.
Kelly, William V., Jr.,	163 East 69th Street.
Kempner, Irving I.,	159 East 61st Street.
Kohler, Max James,	115 East 71st Street.
Louis, Otto T.,	112 Avenue A.
McBarron, Frank J.,	283 East Broadway.
Manheim, Louis L.,	268 East Broadway.
Meighan, Burton C.,	Riverdale, N. Y.
Menken, Solomon,	104 East 79th Street.
Meyer, Henry H.,	134 Liberty Street.
Morris, Aaron,	56½ Baxter Street.
Myers, John Hays, Jr.,	Clover Street, West Farms.
Nelson, Dean,	1139 Madison Avenue, cor. 85th Street.
Neuhof, Selian,	56 Ludlow Street.
Oppermann, Melvin W.,	165 West 11th Street.
Parker, Ransom Joseph,	222 West 11th Street.
Patterson, Frederick Holden,	66 Lexington Avenue.
Prellwitz, Otto Emil,	304 East 23d Street.
Pyne, William Joseph,	336 Water Street.
Rainey, William,	234 West 39th Street.
Rauner, Charles,	323 East 42d Street.
Rémy, Alfred Maria Joseph,	2516 Eighth Avenue.
Rémy, Arthur F. J.,	2516 Eighth Avenue.
Risk, Francis,	408 West 18th Street.
Roeser, John Edward,	240 West 130th Street.
Rogers, Clarence DeWitt,	64 East 61st Street.
Roseno, Bernard S.,	345 Canal Street.
Rosenthal, Charles Edward,	3 Eldridge Street.

Saurel, Paul L.,	158 West 16th Street.
Schlesinger, Frank,	166 East 82d Street.
Schlesinger, Henry William,	193 Lewis Street.
Simonson, Jerry T.,	61 East 83d Street.
Stock, Casper,	118 East 109th Street.
Stock, Henry, Jr.,	349 Seventh Avenue.
Stowe, Harry Welsh,	152 East 123d Street.
Stuart, William,	200 East 10th Street.
Taylor, David Clark,	105th Street and Riverside Drive.
Trafford, Forrest Rose,	40 East 26th Street.
Veiller, Lawrence,	The Dalhousie, 48 West 59th Street.
Walker, George L.,	890 Grand Boulevard.
Weber, William E.,	16 Bayard Street.
Weiler, Charles H.,	106 East 60th Street.
Wiener, Joseph,	1003 Madison Avenue.
Wood, Sydney Lunt,	6 East 28th Street.
Wood, William Thomas,	208 Bowery.
Yankauer, Sidney,	322 East 58th Street.
Zarnitz, George Henry,	326 Madison Street.

SOPHOMORE CLASS.

Alexander, Nestor A.,	354 East 83d Street.
Altkrug, Louis Joseph,	106 East Broadway.
Bailey, Edward Clifford,	243 West 129th Street.
Beal, Thaddeus R.,	576 East 142d Street.
Bell, Edwin,	232 East 18th Street.
Berg, Albert,	245 7th Street.
Binion, Joshua,	158 East Broadway.
Bolton, William H.,	West Farms.
Buser, Hermann,	320 West 47th Street.
Cahart, David,	52 University Place.
Cahn, David,	475 East Houston Street.
Carl, William,	313 West 39th Street.
Clearman, John W.,	214 East 46th Street.
Clermont, Louis C.,	362 East 72d Street.
Cohen, Martin,	138th Street and Tenth Avenue.
Cohn, Isadore,	91 East Broadway.
Cornell, Alfred L.,	142 West 126th Street.
Craft, Warren Moore,	217 West 133d Street.
Crawford, Samuel Henry,	274 West 127th Street.
Dann, Nicholas,	72 Rivington Street.
Dodd, Charles G.,	418 West 22d Street.
Dreyfuss, Louis, Jr.,	252 East Houston Street.
Earle, Thornton.	498 West 153d Street.

Ehlers, Edward Cargill,	180 West 10th Street.
Ehrlich, Henry,	12 Avenue B.
Elsberg, Nathaniel A.,	114 East 58th Street.
Emley, Jos. Noble,	108 West 61st Street.
Foster, Frederick J.,	628 West 52d Street.
Fox, Emanuel E.,	343 West 46th Street.
Freeman, Jacob,	359 East 49th Street.
Freund, Jacob M.,	49 East 91st Street.
Friedwald, Samuel,	158 East Broadway.
Frisbee, Harry D.,	1340 Fulton Avenue.
Gartensteig, Charles,	436 East 56th Street.
Geyer, Paul W.,	78 2d Street.
Ginsburg, Marks,	47 Canal Street.
Goebel, George C.,	235 7th Street.
Goldmark, Rubin,	248 West 51st Street.
Greer, John G.,	Governor's Island, New York Harbor.
Guiterman, Arthur,	335 West 58th Street.
Hackett, Jas. J. K.,	107 East 35th Street.
Hall, Alfred B., Jr.,	718 East 139th Street.
Hamburg, David Joseph,	144 East 83d Street.
Handy, Livingston G.,	131 West 32d Street.
Hargrave, Frederic Charles,	169th Street and Mott Avenue.
Harris, Joseph J.,	35 Essex Street.
Hartnett, Eugene Howe,	109 McDougal Street.
Henschel, Joseph,	1139 Washington Avenue.
Hertz, Emanuel,	143 Norfolk Street.
Hertz, Joseph Herman,	143 Norfolk Street.
Hillgrove, Thomas,	278 Alexander Avenue.
Hoffman, Alfred L.,	243 Houston Street.
Hornthal, Milton J.,	780 Madison Avenue.
Huiell, J. Mortimer,	286 Madison Street.
Josephthal, Ernst,	128 East 72d Street.
Kelly, Edwards H.,	322 East 87th Street.
Klingenstein, William,	248 East 60th Street.
Kurzman, Chas. Chauncey,	cor. Grand and Eldridge Streets.
Landsman, Solomon Morris,	232 Broome Street.
Lee, Herbert Powell,	166th Street and Tinton Avenue.
Levy, Morris,	74 Henry Street.
Libman, Emmanuel,	18 East Broadway.
Lindroth, Charles H.,	347 East 9th Street.
Ludvigh, Elek John,	7 East 13th Street.
Man, Arthur,	106 East 30th Street.
Marx, Louis J.,	175 Clinton Street.
Marx, Wolffe B.,	175 Clinton Street.

Mason, George Cotner,	1423 Lexington Avenue.
Meighan, Howard S.,	Riverdale, N. Y.
Metzger, Nathan,	301 East 55th Street.
Meyer, William Henry,	56 Madison Street.
Miller, Ira Abbott,	154 West 20th Street.
Mord, George,	30 Orchard Street.
Morrill, Walter Carolus,	413 St. Nicholas Avenue. .
Morris, Moses,	46 Forsyth Street.
Morrison, William Howe,	32 West 31st Street.
Moss, Isaac,	263 West 36th Street.
Necarsulmer, Harry,	109 East 70th Street.
Nelson, Henry Clay,	1139 Madison Avenue.
Newman, Henry,	93 Division Street.
Oakes, John C.,	423 West 21st Street.
Oakley, Charles Solomon,	327 West 30th Street.
Plump, Charles H.,	12 West 126th Street.
Pollock, Edward James,	357 West 48th Street.
Phillips, Charles,	106 Lexington Avenue.
Reynolds, Frederick G.,	445 West 22d Street.
Rich, Howard A.,	279 Alexander Avenue.
Robertson, Harry Asten,	138 Columbia Street.
Rodman, Harry,	214½ Broome Street.
Ryker, Robert L.,	17 West 123d Street.
Samuels, Robert V.,	St. Ann's Avenue, near 143d Street.
Scheider, Ernst Julius,	187 East 64th Street.
Schener, Louis,	951 Second Avenue.
Schiele, Theodore,	257 East 72d Street.
Schotte, Armin,	304 East 12th Street.
Schutz, William Aaron,	129 East 60th Street.
Scott, Frank,	47 Christopher Street.
Shipman, Frank Wesley,	229 East 112th Street.
Smith, Henry A., Jr.,	460 West 44th Street.
Smyth, Francis,	3 East 65th Street.
Steinach, William G.,	188 Second Avenue.
Stern, Philip Harry,	156 East 72d Street.
Steuer, Max David,	132 Columbia Street.
Stroh, Frederick A.,	383 Sixth Avenue.
Stroock, Sol. Michael,	173 East 95th Street.
Theobald, Carl,	542 East 11th Street.
Thumm, Carl F.,	101 East 123d Street.
Timmerman, Arthur Henry,	305 East 53d Street.
Timmerman, Charles Edward,	305 East 53d Street.
Tobias, Leo,	321 East 52d Street.
Van Norman, Louis E.,	1324 Franklin Avenue.

Van Vleck, Edgar Wakeman,	57 West 10th Street.
Victor, Frederick,	759 East 173d Street.
Watson, James Tolmie,	306 West 20th Street.
Wile, Alfons,	33 Beekman Place.
Wise, Otto Irving,	324 East 30th Street.
Woolf, Michael,	138th Street and Tenth Avenue.

MECHANICAL COURSE.

Arnold, John B.,	29 West 126th Street.
Basch, Seymour,	118 East 85th Street.
Benedict, Eli,	167 West 71st Street.
Breitmeyer, Henry,	50 Gansevoort Street.
Campbell, Robert A.,	404 College Avenue.
Clark, Edwin Thorne,	206 East 17th Street.
Cohn, Harry M.,	214 East 32d Street.
Davis, Louis,	220 East 72d Street.
Diehl, George,	87 Ludlow Street.
Franklin, Peter A.,	169 East 69th Street.
Friedman, Samuel,	346 East 54th Street.
Geney, Hippolyte,	131 Clinton Place.
Gilbert, Frank,	108 West 61st Street.
Goldsmith, Julius,	1389 Second Avenue.
Hyde, Courtney,	164 West 44th Street.
Jacobs, Harry,	107 East 78th Street.
Knox, Charles E.,	227 East 123d Street.
Lassner, Leopold,	244 East 38th Street.
Leonhard, Theodore S.,	62 Second Avenue.
Letsch, Frederick,	310 East 37th Street.
Levine, Arthur,	78 Catharine Street.
Lippincott, Harold E.,	241 West 43d Street.
Lydecker, Irving S.,	562 East 155th Street.
Mayer, Monroe,	113 East 114th Street.
McCarthy, Albert G.,	169 East 127th Street.
Riordan, Edward,	173 East 91st Street.
Rosendale, I. George,	59 East 112th Street.
Ross, Leon Samuel,	161 East 65th Street.
Scripture, Eber,	437 Fourth Avenue.
Tower, Harris G.,	139 East 42d Street.
Wachenheim, Robert,	38 East 126th Street.
Wetterlind, John Frederick,	105 East 75th Street.

FRESHMAN CLASS.

Acken, Joseph B.,	345 West 48th Street.
Alexander, Edward Albert,	147 East 62d Street.

Appleton, Floyd,	184th Street, Fordham Heights.
Bandler, Leon,	271 West 127th Street.
Baruch, Herman,	47 East 60th Street.
Baynes, Ernest H.,	523 West 24th Street.
Bellinger, Charles,	764 Ninth Avenue.
Benedikt, Victor M.,	123 East 83d Street.
Berger, William,	144 Forsyth Street.
Bernstein, Solomon,	90 East Broadway.
Birnbaum, Jacob M.,	111 Ridge Street.
Blackwell, Wilson Hunt, Jr.,	2035 Seventh Avenue.
Bloch, Adolph,	522 East 82d Street.
Blot, George Wood,	138 West 121st Street.
Bogart, Robert A.,	111 West 133d Street.
Boniface, Gustave,	190 Chrystie Street.
Bruckner, Arthur,	314 6th Street.
Bryant, Edward W.,	41 West 28th Street.
Bullowa, Ferdinand E. M.,	146 East 55th Street.
Bunnell, Walter L.,	424 East 57th Street.
Byrne, George L.,	121 Crosby Street.
Campbell, Judson David,	149 East 47th Street.
Cary, Stephen J.,	15 Barrow Street.
Chapman, Robert F., Jr.,	167 East 116th Street.
Cochrane, Harry P.,	177 West 94th Street.
Cohen, Hyman,	20 Essex Street.
Cole, Anson Burlingame,	411 Lexington Avenue.
Cole, Chas. F.,	592 East 141st Street.
Coleman, John B.,	135 East 65th Street.
Connor, David J.,	456 West 58th Street.
Cook, Alfred A.,	152 East 71st Street.
Cooke, Lee,	553 Manhattan Avenue.
Cox, Harry D.,	102 East 114th Street.
Dailey, Alfred Milner,	318 East 25th Street.
Dantes, Max,	1020 Third Avenue.
David, Harry Percy,	110 West 79th Street.
Deignan, Harry,	135 Macdougal Street.
Deignan, John Eugene,	135 Macdougal Street.
Dieckmann, Fred. William,	11 West 4th Street.
Doepp, Louis Ernest,	117 East 12th Street.
Eaton, Warren Perley,	2387 Second Avenue.
Elkus, William,	61 East 61st Street.
Feine, Morris,	92 Ludlow Street.
Fell, Horace Requa,	230 East 50th Street.
Fintel, Ernest A. von,	182 East 75th Street.
Fischer, Edwin Philip,	33 West 92d Street.

Frank, Samuel,	745 5th Street.
Frankenstein, Arthur,	415 East 57th Street.
Freedman, Lewis H.,	120 West 125th Street.
Gardiner, Sidney Frederick,	318 West 22d Street.
Ginsburg, Leon Bernard,	1484 First Avenue.
Glasson, Samuel,	343 West 38th Street.
Gloeckner, Louis Jacob,	427 East 85th Street.
Goldfrank, Harry Philip,	20 East 81st Street.
Goldman, Edwin W.,	142 East 60th Street.
Goldmark, Emil,	248 West 51st Street.
Goodhart, Laurence George,	1648 Park Avenue.
Gottschalk, Alfred L.,	62 East 11th Street.
Greenbaum, Jacob,	80 East 108th Street.
Greene, Marshall Winslow,	10 East 47th Street.
Griffen, Herbert Homans,	37 West 58th Street.
Gruntal, Benedict Herman,	122 East 61st Street.
Haerting, Frederick John,	64 Thompson Street.
Haight, Samuel Carleton,	1266 Clover Street, West Farms.
Haines, Claude,	158th Street and Gerard Avenue.
Haller, Edwin A. F.,	124 West 28th Street.
Handy, Frederick J.,	131 West 32d Street.
Handy, Walter Eugene,	131 West 32d Street.
Harrison, William Nelson,	305 West 29th Street.
Hauswirth, Louis,	208 7th Street.
Hawkes, R. Harlan,	108 East 86th Street.
Hazel, George A.,	220 South Fifth Avenue.
Heimberger, Samuel V.,	249 7th Street.
Hellerson, Charles,	317 East 55th Street.
Henwood, Wm. Jory,	1293 Washington Avenue.
Herman, Martin,	355 East Houston Street.
Herz, William,	172 East 80th Street.
Hibson, Charles,	212 East 27th Street.
Holland, Edward V.,	347 West 19th Street.
Holt, Truman Slayton,	168 West 54th Street.
Holzman, William Louis,	159 East 65th Street.
Honeck, Henry Conrad,	244 East 28th Street.
Hühner, Max,	358 East 121st Street.
Iffrich, Joseph,	406 West 39th Street.
Jack, Harry Francis,	473 Sixth Avenue.
Jacobus, Emanuel,	177 Delancey Street.
Jacobus, Theodore Israel,	177 Delancey Street.
Jennings, George Edward,	321 West 12th Street.
Joseph, Dudley David,	48 East 75th Street.
Josephson, Isaac,	297 Delancey Street.

Katz, Maurice,	34 Attorney Street.
Kaufmann, Fred.,	11 East 66th Street.
Kelly, Bryan,	119 East 23d Street.
Kelly, Edward K.,	119 West 15th Street.
Kilbreth, James Truesdell, Jr.,	230 East 18th Street.
Kleinmann, Jacob Naphtali,	245 East 110th Street.
Knox, Arthur,	110 East 71st Street.
Koch, John,	148th Street and St. Nicholas Avenue.
Korn, George,	154 East 66th Street.
Kosmak, George William,	234 East 49th Street.
Laase, William Frederick,	641 East Ninth Street.
Larendon, Robert Edgeworth,	157 West 79th Street.
Lawrence, Charles Aloysius,	516 East 12th Street.
Leeser, Abram,	427 Hudson Street.
Leffler, Max,	623 East 12th Street.
Levett, Benjamin Arthur,	154 West 128th Street.
Levy, Meyer,	132 Henry Street.
Liebermann, William,	335 East 82d Street.
Listman, Ferdinand,	520 East 89th Street.
Little, Daniel,	152 East 60th Street.
Loewenthal, Murray,	127 East 84th Street.
Loewy, George Samuel,	577 East 146th Street.
Lowenfels, Simon,	569 Second Avenue.
Lutz, Stephen Henry,	65 Seventh Street.
MacCrum, Robert A.,	Sweet's Hotel, Fulton Street.
Macdonald, Alexander Robertson,	400 West 29th Street.
McDonald, Edward Joseph,	120 West 100th Street.
McNally, Edward J.,	1589 Second Avenue.
McNeill, Ernest, Jr.,	589 East 140th Street.
Manson, Donald Laurilliard,	56 East 108th Street.
McIntyre, John Gardiner,	34 West 18th Street.
McIntyre, Wilbur,	34 West 18th Street.
Martin, Jeremiah Neil,	436 Lenox Avenue.
Mayer, Henry William,	843 Lexington Avenue.
Mayer, Julian Theodore,	23 East 74th Street.
Miller, James Calvin,	47 West 119th Street.
Miller, James Leslie,	11 Chambers Street.
Miller, Lawrence Sprague,	Governor's Island.
Mogren, Charles Nelson,	27 Henry Street.
Moore, Edmund Halsey,	136 East 111th Street.
Murphy, Edward Joseph,	212½ East 47th Street.
Nathan, Alexander,	271 West 33d Street.
Natkins, Isaac,	418 West 40th Street.
Neumann, Charles,	Foot of East 75th Street.

Neumann, William Frederick,	985 Third Avenue.
Newell, Frank,	321 East 4th Street.
Newton, Rollin C.,	159th St. bet. 10th Av. & Grand Boulev'd.
Nordlinger, Edwin Herman,	31 East 60th Street.
Ottinger, Nathan,	110 East 61st Street.
Parker, Marco S.,	245 West 14th Street.
Patterson, John,	240 West 22d Street.
Payson, George Phillips,	13 West 125th Street.
Pollard, Charles Whitney,	2187 Seventh Avenue.
Powers, Frank William,	204 West 83d Street.
Pryor, John,	200 West 27th Street.
Reed, Frank A.,	225 West 123d Street.
Reed, Philip Marion,	219 West 23d Street.
Reubenstein, Raymond,	125 Division Street.
Richter, Charles H.,	56 East 8th Street.
Riegelman, John,	856 East 161st Street.
Rieser, Max Gustine,	225 East 93d Street.
Rittenhouse, Chas. T.,	37 West 42d Street.
Roeser, Edward N.,	240 West 130th Street.
Rogge, Henry,	2800 Third Avenue.
Romay, Joseph R.,	9 Minetta Street.
Rosenstein, Benjamin H.,	102 Bleecker Street.
Rosenzweig, Joseph,	249 East 110th Street.
Rosenzweig, Louis,	269 Division Street.
Schenck, David Dye,	Westminster Hotel.
Schulz, George M. S.,	1038 East 138th Street.
Scouler, Ambrose,	198 Ninth Avenue.
Shea, Patrick F.,	504 Pearl Street.
Shera, George Wm.,	120 East 90th Street.
Shields, Wm. J., Jr.,	358 East 69th Street.
Silberstein, Solomon,	442 Lenox Avenue.
Slevin, Thomas,	463 West 49th Street.
Smith, Frederick Lorenze,	Albany Avenue, Kingsbridge.
Smith, Mortimer A.,	148 East 86th Street.
Sobel, Jacob,	148 Henry Street.
Sobel, Lazarus,	86 Barrow Street.
Solomon, John I.,	59 East 111th Street.
Speranza, Gino C.,	214 East 65th Street.
Stanton, Frederick E.,	120 West 61st Street.
Stehl, George C.,	61 Avenue A.
Steinberger, Victor.	442 East 88th Street.
Stoney, David B.,	220 East 105th Street.
Stratton, Alexander,	158 East 127th Street.
Tansley, Frank Dudley,	28 West 43d Street.

Taylor, George H., Jr.,	821 East 138th Street.
Thorner, Maurice,	288 East Houston Street.
Trimble, Roswell Delmage,	161 West 130th Street.
Van Horson, N. F.,	227 West 133d Street.
Vermilya, Arthur P.,	33½ West 131st Street.
Vincent, James,	164 West 125th Street.
Vogel, H. Brenno,	56 East 80th Street.
Vorhaus, Joseph,	189 Henry Street.
Weil, Benjamin J.,	327 East 51st Street.
Weil, Max H.,	150 East 81st Street.
Weinhandler, S. Herbert,	319 East 17th Street.
Weiss, Herman,	292 East Houston Street.
Whitehorne, Frederick N.,	104 West 129th Street.
Whittemore, Henry J.,	135 West 56th Street.
Wise, Stephen Seymour,	324 East 30th Street.
Wolbarst, Abraham L.,	187 Henry Street.
Young, Hiram G.,	46 Great Jones Street.

MECHANICAL COURSE.

Adams, Albert L.,	58 East 11th Street.
Brophy, M. T.,	451 East Houston Street.
Brummerhop, Charles,	103 Cedar Street.
Casper, Arthur,	114 East 72d Street.
Cone, Frederick H.,	163 West 83d Street.
Devlin, Peter J.,	322 East 19th Street.
Duncan, Richard J..	339 East 37th Street.
Eising, Louis,	6 East 66th Street.
Fanning, Hubert F.,	363 First Avenue.
Ford, William W.,	138 West 61st Street.
Gennerich, Henry,	243 East 84th Street.
Humphrey, Henry A.,	838 Sixth Avenue.
Jacobs, Philip J.,	39 East 60th Street.
Keil, William,	700 East 11th Street.
Kiefaber, Henry,	1654 First Avenue.
Kilpatrick, Charles C.,	165 East 66th Street,
Kirkpatrick, Alonzo A.,	2272 Seventh Avenue.
Knox, Oscar,	100 East 123d Street.
Kuhner, George A.,	1425 Washington Avenue.
Lehman, Alfred,	1440 Lexington Avenue.
Libaire, Edward W.,	150 West 49th Street.
McCarthy, James T.,	300 West 10th Street.
Markey, William J.,	300 West 10th Street.
Merriam, Alfred C.,	1540 Park Avenue.

Norris, John D.,	182 East 76th Street.
Peñalver, Francisco,	261 West 47th Street.
Poillon, Wm. C.,	111 East 71st Street.
Roe, Thomas A.,	118 East 127th Street.
Rosmaier, Max H.,	1293 First Avenue.
Schell, R. Montgomery,	365 West 23d Street.
Schwarting, John,	27 Jackson Street.
Seufert, William M.,	515 East 152d Street.
Sigel, Franz, Jr.,	563 Mott Avenue.
Walker, Sidney R.,	628 East 142d Street.
Widmayer, Chas. William,	934 First Avenue.
Wiltberger, Bertram,	35 East 23d Street.
Wright, Arthur E.,	723 East 141st Street.

SUB-FRESHMAN CLASS.

Aaronstamm, Aaron S.,	45 East Broadway.
Abrams, Louis Julius,	45 East Broadway.
Adler, Richard Malcolm,	428 East 57th Street.
Agnew, Peter Francis,	512 West 55th Street.
Ahern, Harry William,	2347 First Avenue.
Alexander, Joseph Albert,	163 West 97th Street.
Allen, J. Frank W.,	354 West 42d Street.
Angell, Clarence L.,	231 West 83d Street.
Ansbacher, Samuel,	1869 Madison Avenue.
Austin, Berkeley C.,	410 West 58th Street.
Avery, Ledyard,	136 Charlton Street.
Bachmann, Norbert H.,	270 West 127th Street.
Baker, John Harold,	776 Second Avenue.
Baker, Rolland Russel,	228 East 33d Street.
Ballin, Solomon,	86 East 111th Street.
Balthasar, Arthur,	34 Gramercy Park.
Bang, Frank John,	271 Avenue B.
Barny, Frederick J.,	835 Ninth Avenue.
Barry, William Henry,	57 West 92d Street.
Barrett, Sidney H.,	142 West 97th Street.
Bassford, Eugene E.,	625 East 140th Street.
Baum, David B.,	167 East 82d Street.
Baum, Joseph,	442 East 120th Street.
Beaubian, Charles S.,	115 West 41st Street.
Becker, Hubert Bruno John,	301 East 78th Street.
Becker, John Casper,	400 West 39th Street.
Behrens, Manfred I.,	138 East 104th Street.
Bennet, Frank Moore,	139 West 130th Street.

Benoliel, Solomon,	116 West 35th Street.
Bernstein, Jacob,	80 East Broadway.
Bernstein, Louis,	164 Henry Street.
Bitterman, Thaddeus,	153 East 72d Street.
Bjerregaard, August P..	156 East 92d Street.
Blankfort, Bernard,	138 East Broadway.
Bley, Martin,	714 Sixth Street.
Blondel, Ransom.	548 Mott Avenue, cor. of 149th Street.
Bloomanson, Henry Julius,	244 East Broadway.
Blot, Arthur Francis,	138 West 121st Street.
Bogert, Charles Walter,	35 West 12th Street.
Boyd, William Augustus, Jr.,	286 Lenox Avenue.
Boyle, Walter Graham,	370 West 31st Street.
Brande, Jacob Hirsch,	540 East 82d Street.
Branigan, George Arthur,	149 West 67th Street.
Brennan, James H.,	1085 Park Avenue.
Brenneman, Charles,	157 East 71st Street.
Breslawsky, Jacob,	132 Suffolk Street.
Brickner, Walter Max,	812 Lexington Avenue.
Briefner, Abel,	162 East 128th Street.
Brown, Joshua William,	253 Seventh Avenue.
Brummer, Edward Justus,	209 First Avenue.
Buckley, W. A.,	222 East 128th Street.
Bueno, José R. de la Torre,	40 East 51st Street.
Burke, Joseph L.,	251 East 31st Street.
Burnett, Henry Winans,	259 West 128th Street.
Butler, Willis H.,	111 East 76th Street.
Butterfield, Arthur George,	342 West 41st Street.
Campbell, Charles J..	134 Henry Street.
Canfield, Miron E.,	404 West 44th Street.
Cardwell, William Frederick,	536 Third Avenue.
Carell, August T.,	288 Broome Street.
Carew, John F.,	225 East 58th Street.
Carlsen, Frederick C. M..	121 East 122d Street.
Childs, Frederick A.,	153 East 117th Street.
Clark, Alfred C.,	615 East 139th Street.
Clark, Frank D.,	608 East 136th Street.
Coe, Harry D.,	18 West 115th Street.
Cohen, Charles,	223 West 130th Street.
Cohen, Gussie,	98 Madison Street.
Cohen, Herbert S..	69 East 104th Street.
Cohen, Israel,	41 Eldridge Street.
Cohen, Julius,	205 East Broadway.
Cohen, Morris H.,	15 Charlton Street.

Cohn, Solomon,	44 Bowery.
Collins, Charles Shelton,	52 West 18th Street.
Conway, Edward C. A.,	153 East Broadway.
Cook, Almon H.,	148 East 18th Street.
Cook, John W.,	113 East 113th Street.
Corbitt, William Henry,	108 East 78th Street.
Cragin, Calhoun,	841 St. Nicholas Avenue.
Crawford, William F.,	62 East 123d Street.
Creeden, John Furlong,	346 Third Avenue.
Cronin, J. J.,	280 West 11th Street.
Crooker, Frederick F.,	124 East 59th Street.
Curtis, Charles T.,	593 East 141st Street.
Dale, Frank Thompson,	635 Walton Avenue.
Dalton, Clarence,	319 West 29th Street.
Dalton, William A.,	393 8th Street.
Daly, Eugene H..	130 East 115th Street.
Daly, W. Vincent,	188 Lexington Avenue.
Davis, Frank Joseph,	423 West 49th Street.
Davis, David,	270 West 37th Street.
Deane, Joseph William,	277 West 11th Street.
DeNyse, John E.,	708 Greenwich Street.
Dennerlein, James J.,	Webster Avenue, Fordham.
De Pinna, Leo S.,	1328 Lexington Avenue.
De Sola, Isaac,	107 East 111th Street.
Diehl, Charles F.,	88 Ludlow Street.
Donnellan, Thomas J.,	1322 Second Avenue.
Donohue, Thomas Martin,	1240 Franklin Avenue.
Dowling, John Joseph,	82 Laight Street.
Duckman, Moses,	227 Rivington Street.
Duer, Rush De Witt,	41 East 29th Street.
Duncan, Arthur M.,	305 West 20th Street.
Duncan, Robert Acheson,	cor. Crane Place and Gray St., Tremont.
Eckert, Louis,	210 East 70th Street.
Ehrhard, William Joselin,	247 East 25th Street.
Ehrhart, Eugene Nelson,	37 West 125th Street.
Eickwort, Louis,	712 Tremont Avenue.
Eisenberg, Louis J.,	120 Delancey Street.
Eising, Eugene H.,	6 East 66th Street.
Eisman, Horatio Seymour,	124 East 74th Street.
Elliff, Joseph A.,	528 Pearl Street.
Elsasser, B. A.,	156 East 54th Street.
Emanuel, Louis V.,	1443 Lexington Avenue.
Emery, Dean,	1661 Washington Avenue, Tremont.
Endlich, George,	811 East 4th Street.

Entress, Aug. B.,	1581 Fourth Avenue.
Erdmann, William,	48 East 57th Street.
Falk, Moses Isaac,	534 East 86th Street.
Ferber, Louis H.,	425 East 75th Street.
Ferguson, William Coon,	175 West 94th Street.
Fernbach, Leo,	Tinton Avenue, 168th Street.
Finkelbrand, Moses,	80 Bayard Street.
Finn, John Joseph,	506 West 50th Street.
Finn, Harry D.,	109 East 85th Street.
Fischer, Joseph,	241 Eighth Avenue.
Fleisch, William,	81 East 79th Street.
Fluri, Arthur,	149th Street, 10th Avenue.
Ford, David,	273 West 132d Street.
Foster, Mortimer Charles.	320 East 50th Street.
Frank, Alexander Theodore,	96 Second Avenue.
Frank, Emanuel Edward,	22 East 75th Street.
Frank, Henry,	1909 Third Avenue.
Franke, Paul,	127 West 122d Street.
Frankenstein, Isaac,	202 East Broadway.
Friedman, Aaron,	93 Sheriff Street.
Friedmann, Hermann George,	922 East 138th Street.
Friedmann, Joseph,	284 East Houston Street.
Fulton, Robert C.,	451 West 44th Street.
Gerhardt, Jacob Herman,	533 East 12th Street.
Gerlach, Philip,	73 Essex Street.
Gessler, Theodore Arthur,	117 East 82d Street.
Gessner, Joseph George,	1547 First Avenue.
Gibson, William Frazer,	128 East 82d Street.
Gies, Louis Gustave,	1653 First Avenue.
Giles, Edwin Scofield,	131 East 59th Street.
Glidden, Walter Seward,	200 West 83d Street.
Godfrey, Richard Eli Wallace,	123 West 132d Street.
Goebel, Charles John Andrew,	95½ Cannon Street.
Goff, Eugene Walter,	314 West 127th Street.
Goldbacher, Ernest,	107 West 131st Street.
Goldberg, Raphael H.,	8 Albany Street.
Goldhammer, Adolph,	148 Suffolk Street.
Goldman, Julius,	142 East 60th Street.
Goldsmith, T. W.,	442 East 86th Street.
Goldwater, John Leonard,	416 East 58th Street.
Gourley, Edwin Winfred,	131 West Houston Street.
Graff, Clarence La Fayette,	224 West 52d Street.
Graff, Horace Mordecai,	48 West 83d Street.
Graham, Charles,	2 King Street.

Grahl, Emil,	616 Second Avenue.
Green, Charles,	443 East 56th Street.
Greene, David Joy,	586 East 135th Street.
Griffiths, Edgar M.,	226 West 15th Street.
Grünenthal, Anthony Frank,	311 East 18th Street.
Haffner, Charles,	655 Water Street.
Haggerty, Joseph Thomas,	197 Henry Street.
Hahn, Frank Joseph,	55 East 3d Street.
Hall, Franklin Joseph,	182 East 76th Street.
Halstead, Samuel,	1 Spencer Place.
Haney, John Dearling,	1233 Third Avenue.
Harris, Arthur Clarence,	103 East 72d Street.
Harris, Max,	260 East 4th Street.
Harrison, Arthur James.	85 Madison Street.
Haskell, Edward Elliott,	260 West 133d Street.
Hecklinger, Frederick Enos,	688 East 142d Street.
Hein, Harry,	56 East 79th Street.
Henry, John R.,	247 East 25th Street.
Herrmann, Arnold,	18 East 60th Street.
Herzog, Joseph Louis,	173 East 82d Street.
Herzog, Mendel,	166 East 66th Street.
Hess, Edwin Henry,	110 East 103d Street.
Hessel, Ira Lewis,	316 East 72d Street.
Hesselbach, Charles Valentine,	307 East 46th Street.
Heuckendorff, Johan Charles,	201 East 50th Street.
Heylman, Harry Budelman.	Buckhout Street near Anthony Ave., Mount Hope, Tremont.
Hildebrandt, Oscar von,	55 Stanton Street.
Hirsch, Lee,	118 East 78th Street.
Holden, Edwin Chapin,	129 East 103d Street.
Holston, Edwin Charles,	981 East 169th Street.
Holzhausen, Chas. H.,	138 East 93d Street.
Houston, Samuel Wilson,	194 Waverly Place.
Hubbell, Charles Edward,	316 West 141st Street.
Hughes, William Francis,	329 East 37th Street.
Humphries, Harry,	168 East 79th Street.
Hupfauf, Hermann E.,	162 East 79th Street.
Hyman, David J.,	54 Ridge Street.
Hyman, Solomon,	328 East 57th Street.
Jackson, Stephen Hull,	53 East 67th Street.
Jaques, Washington Lee,	217 West 14th Street.
Jameson, John Butler,	204 West 23d Street.
Johnston, Herbert McLeod,	131 West 56th Street.
Jones, Eben Pray,	170 East 90th Street.

Jones, Emanuel.	532 Grand Street.
Joyce, Edgar C..	217 East 31st Street.
Joyce, Michael Joseph.	300 East 23d Street.
Kahn, Emil William.	1386 Second Avenue.
Kahn, Jacob,	546 Grand Street.
Kahn, Otto Charles,	158 East 74th Street.
Kaminski, Nathan Emanuel.	122 West 64th Street.
Kearney, Walter,	141 West 53d Street.
Kempe, Ernest Hamilton.	199 West 99th Street.
Kempner, Joseph William,	108 East 80th Street.
Kern, Max,	436 East 57th Street.
Kilian, William George,	352 West 33d Street.
Kindervater, Robert,	415 West 36th Street.
Kinkeldey, Carl William.	62 East 12th Street.
Kiralfy, Charles Imre,	39 West Washington Square.
Klein, Louis William,	75 Ridge Street.
Klein, William Thomas.	118 Spring Street.
Knobloch, George Adam,	511 Third Avenue.
Knowles, William Wells,	166 West 130th Street.
Kohler, Edgar Julius,	115 East 71st Street.
Kohn, Milton Sigmund,	129 East 94th Street.
Kornreich, Conrad.	91 Clinton Street.
Krakower, Henry,	220 Henry Street.
Kremer, Julius,	127 Division Street.
Kreiger, C. J.,	17 Beach Street.
Lansingh, Van Rensselaer.	184th Street and Sedgwick Avenue.
Larendon, John Rutledge.	157 West 79th Street.
Lassner, Albert,	244 East 38th Street.
Laubenheimer, Ernest,	417 East 51st Street.
Lauritz, Lauritz,	110 Lexington Avenue.
Lawson, William Tilson.	233 West 38th Street.
Lazarus, Edward.	273 West 127th Street.
Lazarus, Harry,	273 West 127th Street.
Leask, Edwin Miles,	262 West 36th Street.
Lee, Walter Wright.	307 West 78th Street.
Leichter, Jacob,	328 East 120th Street.
Lennon, John Frederick.	10 Stanton Street.
Leo, Arnold G.,	175 West 93d Street.
Leonard, William Evaristus Michael,	447 West 49th Street.
Levenson, Charles.	89 Henry Street.
Levin, Harry,	254 East 4th Street.
Levin, Louis Hyman.	7 Forsyth Street.
Levussove, Moses S..	117 Avenue B.
Levy, Louis,	219 Henry Street.

Lewi, Sidney C.,	312 West 33d Street.
Lewis, Milton,	62 East 92d Street.
Libbey, Allan Ogden,	115½ Waverly Place.
Lichtenstern, George Moritz.	720 East 144th Street.
Liebling, Leonard M.,	139 East 57th Street.
Locke, Campbell Erie,	230 West 59th Street.
Logue, Harry Otis,	225 West 34th Street.
Lozier, Arthur M.,	225 West 52d Street.
Lupprian, Charles A..,	1606 Third Avenue.
Lyman, Edward O.,	201 West 32d Street.
Lynch, John,	300 West 130th Street.
McCafferty, C. J.,	842 Lexington Avenue.
McCallum, Harry,	912 St. Nicholas Avenue.
McConnell, Robert H.,	23 West 130th Street.
McDonald, Joseph A.,	2282 Seventh Avenue.
McDonald, William Francis,	198th Street and Kingsbridge Road, Inwood.
McElroy, Edward Dickenson Bates,	330 Alexander Avenue.
McIntyre, Charles T.,	115 Eighth Avenue.
McLain, Weston F.,	24 Vandam Street.
McMannus, Charles F..,	49 East 123d Street.
MacMurray, Joseph C.,	347 West 59th Street.
McSherry, John A.,	603 First Avenue.
Maguire, Edward R.,	316 West 30th Street.
Marcus, Samuel,	351 East 81st Street.
Marks, Charles E.,	788 Lexington Avenue.
Martin, Edward H.,	644 East 156th Street, Fordham.
Martin, George K.,	David's Island, New York Harbor.
Mears, Edward C.	48 St. Mark's Place.
Merz, August,	167 Elizabeth Street.
Messina, Michael,	38 Bleeker Street.
Meyers, Charles,	53 St. Mark's Place.
Michaelis, Alfred,	185 East 95th Street.
Miller, Charles S.,	74 Pearl Street.
Miller, Henry C.,	127 West 130th Street.
Miner, James S.,	8 Beekman Place.
Moeller, Edgar James,	770 East 167th Street.
Monaghan, Eugene,	61 West 127th Street.
Montross, Emerson W.,	2142 Seventh Avenue.
Moore, Thomas Barnes,	350 East 41st Street.
Murphy, Wilbur,	1712 Washington Avenue, Tremont.
Nesbit, Arthur Alexander,	604 Lexington Avenue.
Neuman, Frederick Felix,	604 Lexington Avenue.
Neuman, Isidor O.,	

Nones, Walter M.,	51 East 66th Street.
Oehler, August,	158 Ludlow Street.
Of, Charles,	4 Clinton Place.
O'Neill, Charles,	231 Centre Street.
O'Neill, Wilfred,	163 West 132d Street.
Oppenheimer, David,	313 East 124th Street.
O'Reilley, R. J.,	1797 Lexington Avenue.
Pasternak, Jacob,	94 Willett Street.
Pegram, George Lawrence,	23 East 24th Street.
Perkowski, Waclaw Thaddeus,	223 East 7th Street.
Philips, Fleming Stanhope,	41 West 65th Street.
Phillips, Walter M.,	264 West 34th Street.
Pick, Henry,	17 Great Jones Street.
Pincus, James,	94 Orchard Street.
Pisek, Godfrey,	347 East 74th Street.
Plaut, Harry J.,	341 West 46th Street.
Pollak, Benjamin,	437 East 56th Street.
Pope, John R.,	337 Fourth Avenue.
Post, Charles Johnson,	Cor. 99th Street and 10th Avenue.
Prager, Nathaniel H.,	316 East 124th Street.
Prince, Theodore,	120 East 107th Street.
Quigley, William Frederic,	68 East 128th Street.
Rainey, Hugh Herbertson,	234 West 39th Street.
Randles, Daniel Francis,	290 Front Street.
Ray, Frank A.,	254 West 52d Street.
Ray, Malcolm T.,	2296 East 183d Street.
Reddy, Horace H.,	69 West 131st Street.
Regan, David J.,	321 East 56th Street.
Regan, John F..	352 East 56th Street.
Reith, John T.,	1829 Third Avenue.
Remer, John Ware,	66 West 119th Street.
Requa, Howard Mead,	346 West 30th Street.
Richardson, George Burr,	102 East 31st Street.
Robert, Raymond A.,	108 East 56th Street.
Robertson, William F.,	108 West 122d Street.
Robeson, Fielding T.,	228 East 62d Street.
Robinson, Charles Thomas,	4 West 165th Street.
Roediger, Joseph T.,	312 West 35th Street.
Rogers, J. S.,	1150 Boston Avenue.
Rogers, Lorlys,	61 East 122d Street.
Rosenbaum, Alexander,	159 Ridge Street.
Rosenbush, Gilbert T.,	108 East 71st Street.
Rosendale, William,	507 East 84th Street.
Rosenwasser, Louis,	122 Attorney Street.

Rourke, Cornelius S.,	177 East 74th Street.
Ruhl, Henry C.,	520 East 141st Street.
Ruthenburg, Max R.,	791 Lexington Avenue.
Samuel, Alfred,	1034 Second Avenue.
Samuels, Henry C.,	48 West 119th Street.
Saunders, J. M.,	44 East 79th Street.
Schafer, Leonard,	52 West 46th Street.
Scheider, Alfred Morris,	187 East 64th Street.
Schenck, David Dye,	Westminster Hotel.
Schlichter, Herman,	360 West 45th Street.
Schmitt, Frederick William,	971 Lexington Avenue.
Schnuck, Peter,	323 West 39th Street.
Schneider, Robert H. A.,	106 East 71st Street.
Schnepel, John H.,	265 West 22d Street.
Sehnurer, Berthold,	203 East 116th Street.
Schoen, Israel,	371 East Houston Street.
Schoonover, Warren,	115 East 59th Street.
Schutz, Samuel M.,	129 East 60th Street.
Schwarz, Edwin Marcus,	54 Prospect Place.
Scott, Charles H.,	104 West 100th Street.
Scott, Robert Stuart,	166th Street and Audubon Avenue.
Scott, William L.,	307 East 37th Street.
Shilansky, Michael,	199 Division Street.
Shoenfeld, Leonard B.,	1192 Lexington Avenue.
Sickels, Guy B.,	612 Lexington Avenue.
Siff, Ephraim,	164 Henry Street.
Simpson, Herman,	47 Eldridge Street.
Sterrett, John F.,	328 East 84th Street.
Slichter, Walter I.,	46 West 9th Street.
Smith, Edward Mason,	598 East 135th Street.
Smith, James Edgar,	312 West 84th Street.
Sonn, Moody,	337 East 42d Street.
Spiegelberg, James Emanuel,	156 West 44th Street.
Spofford, Henry,	102 East 78th Street.
Stackpole, Charles Verner,	416 Tenth Avenue.
Stadler, Jerome Stanwood,	17 West 34th Street.
Stacpoole, Henry J.,	165 West 47th Street.
Stanton, Gilman Shattuck,	43 West 71st Street.
Stebbins, Ernest Vail,	60 East 34th Street.
Stein, Alfred William,	214 East 58th Street.
Steinberg, Maurice J.,	424 East 117th Street.
Steiner, Herman Washington,	1914 Third Avenue.
Stern, Arthur,	55 West 50th Street.
Stern, Benjamin Hyman,	1469 Lexington Avenue.

Stern, Isaac,	175 Madison Street.
Stern, Philip Alfred,	221 East 86th Street.
Sternfeld, Theodor,	114 East 57th Street.
Stewart, John Henry,	123 West 11th Street.
Stiebel, Samuel Jacob,	241 East 39th Street.
Stoneback, Charles Haskins,	820 Greenwich Street.
Strahan, George Vincent,	310 West 14th Street.
Strasburger, Edgar,	240 West 24th Street.
Studinski, Leo,	337 West 50th Street.
Sturtevant, Girard,	2115 Fifth Avenue. .
Sturtz, Max,	85 Attorney Street.
Styles, Clarence,	158 East 102d Street.
Sutorius, Camillo Tompkins,	31 West Houston Street.
Swallow, William Shelton,	Woodlawn, New York City.
Swanson, William Hagerman Keifer,	36 Grove Street.
Sweeney, Dennis Joseph,	60 Monroe Street.
Tanner, William Baldwin,	51 West 83d Street.
Tenner, Arthur S.,	212 East 118th Street.
Thompson, Austin,	111 East 82d Street.
Thompson, Robert W.,	229 West 97th Street.
Thyng, William S.,	1428 Ninth Avenue.
Timme, Walter,	2 Riverview Terrace.
Tobias, William Kirkpatrick,	254 West 133d Street.
Tracy, Clarence Bartlett,	159 West 129th Street.
Treat, E. Cuyler,	942 St. Nicholas Avenue.
Tucker, Francis John,	47 West 20th Street.
Tucker, Fitz Henry Fay,	2301 Seventh Avenue.
Turner, Robert Charles,	Cor. Topping and Grey (175th) Streets, Tremont.
Turrell, Guy H.,	59 East 122d Street.
Tuska, Montefiore,	54 East 81st Street.
Ulfelder, Sidney,	335 East 65th Street.
Urban, Adolph Hermann,	497 Tenth Avenue.
Van Orden, Archibald Starls,	606 East 136 Street.
Van Orden, William G.,	694 East 135th Street.
Vedder, Maas Roosa,	6 Convent Hill, West 128th Street.
Vogel, William Frederick,	129 East 113th Street.
Voislawsky, Antonie Phineas,	72 St. Mark's Place.
Volhard, Rudolph,	409 Canal Street.
Wagner, Edward Conrad,	296 Lexington Avenue.
Waite, Harry Fuller,	142 East 28th Street.
Waite, James Tatten,	309 West 17th Street.
Walker, Samuel Banks,	890 Grand Boulevard.
Wallace, William Lester,	S. W. cor. Morris Avenue and 162d St.

Walther, Louis,	302 West 135th Street.
Walworth, William Jesse,	126 East 123d Street.
Ware, Franklin,	1128 Madison Avenue.
Weichert, Max Jacob,	437 West 13th Street.
Weingart, Isaac,	129 East 58th Street.
Weingarten, Frederick Simon,	314 East 86th Street.
Weissbaum, Jacob,	53 Hester Street.
Werner, Abraham,	319 West 31st Street.
Westerfield, Eugene Thomas,	267 West 132d Street.
White, John, Jr.,	1549 Park Avenue.
Wiberley, George,	516 East 87th Street.
Williams, Howard,	130 West 70th Street.
Willson, Thomas Edgar, Jr.	169 East 123d Street.
Winter, Frederick Eugene,	77 West 104th Street.
Wolfe, Samuel Herbert,	48 East 112th Street.
Wohrman, Herman,	427 West 39th Street.
Woodburn, Alexander Arthur,	197 Seventh Avenue.
Wolff, Richard,	10 Beekman Place.
Yauch, Rudolph Ernest,	104 Hester Street.
Zabriskie, Edward Cornell,	200 East 20th Street.
Zinke, Louis,	206 West 43d Street.

MECHANICAL COURSE.

Abendschein, George Philip,	266 Seventh Avenue.
Alexander, Lemuel,	320 East 77th Street.
Anderson, George H.,	137 West Houston Street.
Arrowsmith, David,	422 East 118th Street.
Ash, Maurice Leoinal,	171 East 95th Street.
Bauman, John Alexander,	302 East 24th Street.
Bell, Henry McCaw,	430 West 35th Street.
Bianchi, Emil Louis,	1st St., cor. Clinton Ave., Woodlawn.
Binzen, John P.,	301 East 121st Street.
Bird, George Washington,	1739 Lexington Avenue.
Bonart, Abraham,	330 East 80th Street.
Bostwick, William Warren,	1695 Washington Avenue.
Bowden, Frank,	2 Charles Street.
Boyd, James Delancie,	126 West 27th Street.
Boylan, John Joseph,	547 West 59th Street.
Braden, George C.,	445 East 118th Street.
Bretzfelder, Isaac,	87 Avenue B.
Brophy, M. T.,	451 East Houston Street.
Browne, Ross Davis Huguenan,	10 Van Nest Place (Charles Street).
Brudi, William,	758 East 167th Street.

Burke, John James,	62 Pike Street.
Bush, Philip,	286 Tenth Avenue.
Campbell, William Francis,	404 College Avenue.
Carr, William Flavian,	456 West 18th Street.
Clark, Frank Fritz,	708 East 144th Street.
Clermont, John B.,	362 East 72d Street.
Darmody, John Joseph,	501 East 116th Street.
Darragh, George Gillum,	23 West 123d Street.
Davenport, Charles Briggs,	2189 Seventh Avenue.
De Nobriga, Frank,	838 Elton Ave., bet. 159th and 160th Sts.
Dexheimer, Adolph,	726 Eighth Avenue.
Ebling, Philip,	828 Cauldwell Avenue.
Edwards, Robert V.,	393 East 144th Street.
Emanuel, Eugene Victor,	214 East 123d Street.
Fendrich, George Peter,	428 West 41st Street.
Filer, Daniel,	132 East 124th Street.
Flynn, Joseph Bernard,	404 West 48th Street.
Flynn, William Francis,	333 East 113th Street.
Fox, Mortimer Joseph,	127 East 79th Street.
Gritman, Charles T., Jr.,	350 West 47th Street.
Grunthal, George,	952 Second Avenue.
Guthman, William,	239 East 78th Street.
Gwinn, Cornelius J.,	108 East 52d Street.
Hait, Sherman Knevals,	26 Charles Street.
Hannigan, Michael F.,	27 Manhattan Street.
Herzig, Charles Simon,	168 East 75th Street.
Hornthal, DeWit L.,	780 Madison Ave.
Isaacs, Charles,	68 Baxter Street.
Judkowitz, Herman,	159 Ridge Street.
Kaemmerer, Alfred John Frederick,	346 East 86th Street.
Kearney, John J. B.,	413 Second Avenue.
Kennedy, John Aloysius,	314 West 51st Street.
Knapp, C. Delano,	314 West 29th Street.
Korn, Daniel,	154 East 66th Street.
Latham, Allan Gray,	147 West 42d Street.
Lester, Clarence Reed,	144th Street and Southern Boulevard.
Littlefield, Lemuel, Jr.,	17 Little 12th Street.
Lowenberg, Morris,	311 East Broadway.
Lynch, Mortimer F.,	152 Madison Street.
Lyon, George John,	751 Third Avenue.
McAfee, Knox, Jr.,	347 West 28th Street.
McAuliffe, Dennis Francis,	3 James Slip.
McCarthy, Dennis J.,	1605 Lexington Avenue.
McEntegart, Thomas,	454 West 53d Street.

McLaughlin, Alonzo Gustavus,	433 East 119th Street.
Mahnken, Harry,	101 West 131st Street.
Marks, Max Bennett,	407 East 63d Street.
Meyer, Emil,	320 East 69th Street.
Meyer, Frederick C.,	106 Christopher Street.
Michler, Frederick W.,	416 East 88th Street.
Moore, Fred W.,	214 East 19th Street.
Moore, Garrett Joseph,	322 East 30th Street.
Moran, John J.,	16 East 27th Street.
Mullaly, Thomas Laurence,	506 West 57th Street.
Muller, John,	West 110th Street and Boulevard.
Murphy, D. J.,	93 Ninth Avenue.
Neill, John,	1616 Third Avenue.
Neus, Engelbert,	454 East 116th Street.
Newman, Hugh,	169 East 65th Street.
Newman, James H.,	51 Bedford Street.
Nicholson, John Henry,	16 Vandam Street.
O'Donnell, J. T. A.,	1648 Second Avenue.
Otten, William Charles,	166 Seventh Avenue.
Patterson, Daniel William,	185½ Forsythe Street.
Peck, Floyd,	316 West 47th Street.
Pell, William F. S.,	213 East 127th Street.
Raffin, Edward,	76 West 125th Street.
Raubitschek, Edmund G.,	52 East 123d Street.
Reynolds, James,	15 Monroe Street.
Roche, David V.,	302 East 12th Street.
Rosenbaum, Nathan,	210 East 104th Street.
Rosenheim, Otto,	48 East 65th Street.
Ross, William,	470 West 150th Street.
Schaller, Rudolph,	358 West 48th Street.
Schiek, Samuel,	2157 First Avenue.
Schneider, Daniel L.,	158 Third Avenue.
Schoen, Herman,	152 East 94th Street.
Schöfer, Philip Louis,	1596 Second Ave., bet. 82d and 83d Sts.
Scholl, Emil,	1152 Second Avenue.
Schum, Charles H.,	256 Third Avenue.
Selig, Arthur Louis,	57 West 50th Street.
Semple, William,	260 West 132d Street.
Spelman, George Francis,	201 East 21st Street.
Steininger, Simon Engel,	124½ East 92d Street.
Stephens, John Jacob,	1662 Third Avenue.
Strobel, Wm. H.,	2310 First Avenue.
Strubel, Adolph,	1629 First Avenue.
Taylor, John H.,	44 West 95th Street.

Thorn, Louis,	Riverdale.
Tierney, Thomas William,	Spuyten Duyvil.
Tilson, Edward G.,	101 West 37th Street.
Volgenau, Ernest L.,	2184 Fourth Avenue.
Warners, Robert F.,	515 East 15th Street.
Waterhouse, James R.,	527 West 129th Street.
Weil, Harry Seligman,	346 West 55th Street.
Weir, Howard Perry,	355 Lenox Avenue.
Williams, Gilbert P.,	594 East 135th Street.
Williamson, George J.,	1920 Prospect Avenue, Fairmount.
Wilmurt, Clifford,	101 West 76th Street.
Wincierz, Arthur Hugh,	326 East 25th Street.
Worth, Frederick,	250 West 53d Street.
Wurtz, Charles S.,	515 East 119th Street.

S U M M A R Y .

BOARD OF TRUSTEES,	- - - - -	22
EXECUTIVE COMMITTEE,	- - - - -	10
INSTRUCTORS,	- - - - -	41
SENIOR CLASS,	- - - - -	51
JUNIOR CLASS,	- - - - -	82
SOPHOMORE CLASS,	- - - - -	193
FRESHMAN CLASS,	- - - - -	282
SUB-FRESHMAN CLASS,	- - - - -	762
<hr/>		
TOTAL,	- - - - -	1,370

CHAIRMEN
OF THE BOARD OF TRUSTEES.

- 1847, TOWNSEND HARRIS.
1848-9, ROBERT KELLY.
1850-4, ERASTUS C. BENEDICT, LL. D.
1855, WILLIAM H. NEILSON.
1856-7, ANDREW H. GREEN.
1858, WILLIAM H. NEILSON.
1859, RICHARD WARREN.
1860-3, WILLIAM E. CURTIS, LL. D.
1864-7, JAMES M. McLEAN.
1868-9, RICHARD L. LARREMORE, LL. D.
1870-2, BERNARD SMYTH.
1873, JOSIAH G. HOLLAND, LL. D.
1873-5, WILLIAM H. NEILSON.
1876-9, WILLIAM WOOD, LL. D.
1880-6 STEPHEN A. WALKER, LL. D.
1886, J. EDWARD SIMMONS, LL. D.

EXECUTIVE COMMITTEES
OF THE BOARD.

1847.

TOWNSEND HARRIS,

THOMAS DENNY,	ANDREW CARRIGAN,
JOSEPH S. BOSWORTH,	HENRY S. NICOLL.

1848.

ROBERT KELLY,

THOMAS DENNY,	SAMUEL A. CRAPO,
JOSEPH S. BOSWORTH,	WILLIAM T. PINKNEY.

1849.

ROBERT KELLY,

THOMAS DENNY,	SAMUEL A. CRAPO,
JOSEPH S. BOSWORTH,	WILLIAM T. PINKNEY.

1850.

LUTHER BRADISH,

JAMES G. KING, JR.,	JEREMIAH E. CARY,
WILLIAM T. PINKNEY,	JEREMIAH FOWLER.

1851.

LUTHER BRADISH,

WILLIAM T. PINKNEY,	HENRY S. NICOLL,
THOMAS DENNY,	CHARLES J. DODGE,
	ERASTUS C. BENEDICT.

1852.

LUTHER BRADISH,

CHARLES J. DODGE,
SAMUEL A. CRAPO,

ERASTUS C. BENEDICT.

CYRUS LAWTON,
WILLIAM T. PINKNEY,

1853.

EDWARD L. BEADLE,

WILLIAM T. PINKNEY,
CHARLES J. DODGE,

ERASTUS C. BENEDICT.

JEREMIAH E. CARY,
JOEL B. NOTT,

1854.

EDWARD L. BEADLE,

PETER COOPER,
ERASTUS C. BENEDICT,
ABRAHAM D. WILSON,

JAMES F. DE PEYSTER,
JOHN W. C. LEVERIDGE,
AUGUSTUS MORAND.

1855.

EDWARD L. BEADLE,

ABRAHAM D. WILSON,
RANDOLPH W. TOWNSEND,
ABRAHAM V. WILLIAMS,

ALANSON S. JONES,
EDWARD B. FELLOWS,
BOLTIS M. FOWLER.

1856.

ABRAHAM V. WILLIAMS,

LAFAYETTE RANNEY,
THOMAS BOESE,
ROBERT A. ADAMS,

JAMES M. TUTHILL,
JOHN C. HULL,
JOSEPH EDWARDS.

1857.

ABRAHAM V. WILLIAMS,

THOMAS BOESE,
LAFAYETTE RANNEY,
JAMES M. TUTHILL,

SIMEON BALDWIN,
RICHARD C. FELLOWS,
WILLIAM M. TWEED.

1858.

LAFAYETTE RANNEY,

JAMES M. TUTHILL,
RICHARD C. FELLOWS,
ROBERT A. ADAMS,

WILLIAM BLOOMFIELD,
JAMES MACKEAN,
HUGH G. CROZIER.

1859.

ABRAHAM V. WILLIAMS,

LAFAYETTE RANNEY,
JAMES M. TUTHILL,
WILLIAM BLOOMFIELD,

ROBERT A. ADAMS,
HUGH G. CROZIER,
WILLIAM E. CURTIS.

1860.

ANDREW H. GREEN,

JAMES M. TUTHILL,
JAMES FAIRMAN,
HUGH G. CROZIER,

CHARLES McKAY,
ANDREW V. STOUT,
HUBBARD G. STONE.

1861.

HUGH G. CROZIER,

JAMES M. TUTHILL,
HUBBARD G. STONE,
ANDREW V. STOUT,

SAMUEL B. H. VANCE,
JAMES MACKEAN,
DENIS McCARTHY.

1862.

JAMES M. TUTHILL,

ANDREW V. STOUT,
JAMES MACKEAN,
SAMUEL B. H. VANCE,

ANDREW ROBINSON, JR.,
JOHN GALVAN,
DENIS McCARTHY.

1863.

RICHARD L. LARREMORE,

SAMUEL B. H. VANCE,
BERNARD SMYTH,
JOHN N. HAYWARD,

JAMES L. MILLER,
ANDREW V. STOUT,
JAMES M. TUTHILL.

1864.

JAMES L. MILLER,

SAMUEL B. H. VANCE,
JOHN N. HAYWARD,
JAMES M. TUTHILL,

JOHN HAYES,
WASHINGTON MURRAY,
WILLIAM HITCHMAN.

1865.

WASHINGTON MURRAY,

JAMES L. MILLER,
SAMUEL B. H. VANCE,
WILLIAM HITCHMAN,

JAMES M. TUTHILL,
S. WEIR ROOSEVELT,
JOHN HAYES.

1866.

WASHINGTON MURRAY,

JAMES L. MILLER,
S. WEIR ROOSEVELT,
WILLIAM HITCHMAN,

SAMUEL B. H. VANCE,
JOHN HAYES,
JOHN F. TURNER.

1867.

SAMUEL B. H. VANCE,

JAMES L. MILLER,
WILLIAM HITCHMAN,
RICHARD F. WARREN,

JOHN HAYES,
JOHN F. TURNER,
RICHARD L. LARREMORE.

1868.

SAMUEL B. H. VANCE,

RICHARD WARREN,
HORATIO P. ALLEN,
HENRY P. WEST,

WILSON SMALL,
BENJAMIN B. MERRILL,
THOMAS J. HALL.

1869.

BERNARD SMYTH,

MAGNUS GROSS,
NATHANIEL SANDS,
SAMUEL A. LEWIS,

JOHN H. SHERWOOD,
TIMOTHY BRENNAN,
WILLIAM E. DURYEA.

1870.

MAGNUS GROSS,

NATHANIEL SANDS,
SAMUEL A. LEWIS,
WILLIAM E. DURYEA,

NATHANIEL JARVIS, JR.,
JOHN H. SHERWOOD,
TIMOTHY BRENNAN.

1871.

MAGNUS GROSS,
NATHANIEL JARVIS, JR.,
SAMUEL A. LEWIS.

NATHANIEL SANDS,
HOOPER C. VAN VOORST,
SAMUEL A. LEWIS.

1872.

MAGNUS GROSS,
NATHANIEL JARVIS, JR.,
SAMUEL A. LEWIS,

NATHANIEL SANDS,
HOOPER C. VAN VOORST,
ALEXANDER S. WEBB.

1873.

ALBON P. MAN,

RUFUS G. BEARDSLEE,
WILLIAM DOWD,
EUGENE KELLY,
JACOB D. VERMILYE,

ALBERT KLAMROTH,
JOSEPH SELIGMAN,
RANDOLPH W. TOWNSEND,
ALEXANDER S. WEBB.

1874.

ALBON P. MAN,

RUFUS G. BEARDSLEE,
WILLIAM DOWD,
LEONARD HAZELTINE,
EUGENE KELLY,

ALBERT KLAMROTH,
EDWARD SCHELL,
RANDOLPH W. TOWNSEND,
ALEXANDER S. WEBB.

1875.

ALBON P. MAN,

RUFUS G. BEARDSLEE,
WILLIAM DOWD,
LEONARD HAZELTINE,
EUGENE KELLY,

ALBERT KLAMROTH,
EDWARD SCHELL,
RANDOLPH W. TOWNSEND,
ALEXANDER S. WEBB.

1876.

RUFUS G. BEARDSLEE,

WILLIAM DOWD,
EDWARD SCHELL,
LEONARD HAZELTINE,
DAVID F. BAKER,

EUGENE KELLY,
ERNEST CAYLUS,
J. GREENVILLE KANE,
ALEXANDER S. WEBB.

1877.

RUFUS G. BEARDSLEE,

WILLIAM DOWD,
EUGENE KELLY,
DAVID F. BAKER,
EDWARD SCHELL,

LEONARD HAZELTINE,
JOHN GREENVILLE KANE,
STEPHEN A. WALKER,
ALEXANDER S. WEBB,

WILLIAM WOOD.

1878.

RUFUS G. BEARDSLEE,

WILLIAM DOWD,
EUGENE KELLY,
STEPHEN A. WALKER,
EVERETT P. WHEELER,

WILLIAM H. WICKHAM,
BENJAMIN F. WATSON,
SAMUEL G. JELLIFFE,
ALEXANDER S. WEBB,

WILLIAM WOOD.

1879.

STEPHEN A. WALKER,

RUFUS G. BEARDSLEE,
WILLIAM DOWD,
EUGENE KELLY,
EVERETT P. WHEELER,

WILLIAM H. WICKHAM,
BENJAMIN F. WATSON,
SAMUEL G. JELLIFFE,
ALEXANDER S. WEBB,

WILLIAM WOOD.

1880.

WILLIAM DOWD,

RUFUS G. BEARDSLEE,
EDWARD C. DONNELLY,
EUGENE KELLY,
WILLIAM H. WICKHAM,

HENRY E. PELLEW,
FERDINAND TRAUD,
BENJAMIN F. WATSON,
STEPHEN A. WALKER,

ALEXANDER S. WEBB.

1881.

WILLIAM DOWD,

EDWARD C. DONNELLY,	EUGENE KELLY,
HENRY E. PELLEW,	ISAAC BELL,
WILLIAM H. WICKHAM,	GILBERT H. CRAWFORD,
FERDINAND TRAUD,	STEPHEN A. WALKER,
	ALEXANDER S. WEBB.

1882.

WILLIAM DOWD,

FREDERICK R. COUDERT,	EUGENE KELLY,
GILBERT H. CRAWFORD,	EDWARD PATTERSON,
JOSEPH W. DREXEL,	FERDINAND TRAUD,
WILLIAM BELDEN,	STEPHEN A. WALKER,
	ALEXANDER S. WEBB.

1883.

GILBERT H. CRAWFORD,

FREDERICK R. COUDERT,	FERDINAND TRAUD,
JACOB D. VERMILYE,	WILLIAM WOOD,
EUGENE KELLY,	EUGENE H. POMEROY,
EDWARD PATTERSON,	STEPHEN A. WALKER,
	ALEXANDER S. WEBB.

1884.

GILBERT H. CRAWFORD,

WILLIAM BELDEN,	WILLIAM B. WALLACE,
EUGENE H. POMEROY,	WILLIAM WOOD,
J. EDWARD SIMMONS,	JACOB D. VERMILYE,
JACOB H. SCHIFF,	STEPHEN A. WALKER,
	ALEXANDER S. WEBB.

1885.

GILBERT H. CRAWFORD,

CHARLES L. HOLT,	CHARLES CRARY,
HOSEA B. PERKINS,	DE WITT J. SELIGMAN,
WILLIAM B. WALLACE,	WILLIAM WOOD,
JACOB D. VERMILYE,	STEPHEN A. WALKER,
	ALEXANDER S. WEBB.

1886.

GILBERT H. CRAWFORD,

ROBERT M. GALLAWAY,
CHARLES L. HOLT,
WILLIAM LUMMIS,
HOSEA B. PERKINS,

FERDINAND TRAUD,
WILLIAM WOOD,
JACOB D. VERMILYE,
J. EDWARD SIMMONS,

ALEXANDER S. WEBB.

1887.

CHARLES L. HOLT,

WILLIAM A. COLE,
ROBERT M. GALLAWAY,
WILLIAM LUMMIS,
MILES M. O'BRIEN,

HENRY L. SPRAGUE,
EDWARD J. H. TAMSEN,
WILLIAM WOOD,
J. EDWARD SIMMONS,

ALEXANDER S. WEBB.

1888.

CHARLES L. HOLT,

WILLIAM A. COLE,
ROBERT M. GALLAWAY,
WILLIAM LUMMIS,
MILES M. O'BRIEN,

HENRY L. SPRAGUE,
EDWARD J. H. TAMSEN
WILLIAM WOOD,
J. EDWARD SIMMONS,

ALEXANDER S. WEBB.

FORMER OFFICERS OF THE COLLEGE.

HORACE WEBSTER, LL. D.,

President, July 19, 1848, and Professor of Philosophy, October 15, 1851
—July 21, 1869.

EDWARD COKE ROSS, LL. D.,

Professor of Mathematics and Natural Philosophy, November 1, 1848—
May 16, 1851.

GERARDUS BEEKMAN DOCHARTY, LL. D.,

Assistant Professor of Mathematics and Natural Philosophy, November
1, 1848, Professor of Mathematics, July 16, 1851—September 1,
1879.

THEODORE IRVING, LL. D.,

Professor of History and Belles-Lettres, November 1, 1848—May 1, 1852.

JOHN JASON OWEN, D. D., LL. D.,

Professor of the Latin and Greek Languages and Literatures, November
15, 1848—April 15, 1869.

OLIVER WOLCOTT GIBBS, M. D., LL. D.,

Professor of Chemistry and Physics, December, 1848—September, 1863.

AUGUSTIN JOSE MORALES, LL. D.,

Professor of the Spanish Language and Literature, December, 1847—
May, 1885.

THEODORE GUSTAVUS GLAUBENSKLEE,

Professor of the German Language and Literature, December, 1848—
March, 1861.

PAUL PETER DUGGAN, N. A.,

Professor of Drawing and the Arts of Design, December, 1848—October, 1861.

WILLIAM B. FRANKLIN, U. S. A.,

Professor of Natural Philosophy, November, 1851—April, 1852.

JOHN AUGUSTUS NICHOLS, LL. D.,

Professor of Natural Philosophy, July, 1852—November, 1868.

JOEL TYLER BENEDICT, A. M.,

Professor of Civil Engineering, July, 1852, Adjunct Professor of Mathematics, October, 1857—April, 1866.

CHARLES EDWARD ANTHON, LL. D.,

Professor of History and Belles-Lettres, July, 1852—June, 1883.

JOHN GRAEFF BARTON, LL. D.,

Professor of the English Language and Literature, July, 1852—May, 1877.

HERMAN JOSEPH A. KOERNER, PH. D.,

Professor of Drawing and Descriptive Geometry, 1853—1877.

GEORGE WASHINGTON HUNTSMAN, A. M.,

Assistant Professor of Philosophy, 1855, Adjunct Professor, 1857, Professor, 1869—1879.

JESSE AMES SPENCER, S. T. D.,

Professor of the Greek Language and Literature, 1869—1879.

RUSSELL STURGIS, A. M.,

Professor of Architecture and the Arts of Design, 1878—1883.

JOHN C. DRAPER, M. D.,

Professor of Natural History, Physiology and Hygeine, 1863—1885.

TUTORS.

EDWARD CHAUNCEY MARSHALL, A. M.,	1849-52.
GEORGE WASHINGTON HUNTSMAN, A. M.,	1849-55.
NORMAN BEACH, A. B.,	1849-53.
AUGUSTUS FRANCIS BOYLE,	1849-50.
JOSEPH HOWARD PALMER, A. M.,	1850-70.
JOHN AUGUSTUS NICHOLS, LL. D.,	1851-52.
WILLIAM BEINHAUER SILBER, PH. D.,	1851-70.
OLIVER WETMORE, A. B.,	1851-52.
JOEL TYLER BENEDICT, A. M.,	1851-52.
ASA GARDNER WOLCOTT, A. M.,	1852-53.
EUGENE LAWRENCE, A. M.,	1852-53.
ROBERT BLENKIRON, A. B.,	1853-56.
JOHN AUGUSTUS HOWS, A. B.,	1853-54.
JOHN HARDY, A. M.,	1853-57.
HECTOR MUDRY, J. U. D.,	1853-57.
WILLIAM HENRY ABEL, A. M.,	1855-56.
LEWIS CONDIT BAYLES, A. M.,	1856-58.
CHARLES HENRY PRATT, A. M.,	1856-58.
ARTHUR McMULLIN, A. M.,	1856-61.
FRANKLIN SAMUEL RISING, A. M.,	1856-58.
JOSEPH ANDERSON, D. D.,	1857-58.
LUCIEN OUDIN, A. M.,	1858-68.
SAMUEL GOULD JELLIFFE, A. M.,	1858-64.
DAVID GREEN FANNING, A. B.,	1858-59.
WILLIAM MELLEN BANKS, A. M.,	1858-60.
JAMES GODWIN, A. M.,	1858-79.

ALEXANDER PHœNIX KETCHUM, A. M., LL. B.,	1858-59.
JAMES KNOX, A. M., LL. B.,	1559-76.
WILLIAM KINGSLAND HALLOCK, M. D.,	1862-63.
JAMES EDWARD MORRISON, A. M., LL. B.,	1864-78.
JOSEPH EDWIN FROBISHER,	1865-78.
CHARLES ROBERTS, JR., A. M.,	1866-76.
EUSTACE WHIPPLE FISHER, M. D.,	1868-80.
EDWARD ELLICE BURNET, A. M.,	1868-79.
LOUIS ANTOINE LANGUELLIER, J. U. D.,	1870-71.
ROBERT ABBE, M. D.,	1870-72.
HUGO RUDOLPH HUTTEN,	1872-78.
CHARLES ALEXANDER WALWORTH, LL. B.,	1872-82.
BENJAMIN CARLISLE GREGORY, A. B.,	1872-75.
CHARLES EDWARD LYDECKER, B. S., LL. B.,	1875-80.
BENJAMIN FRANKLIN WILLSON,	1876-80.
WILLIAM HOUSTON KENYON, A. M., LL. B.,	1876-80.
VERNON MANSFIELD DAVIS, A. M., LL. B.,	1876-82.
MAURICE RAPP, A. B., LL. B.,	1876-83.
JOHN HENRY WEDDELL, A. M.,	1877-82.
JULIUS CÆSAR MORGENTHAU, A. B.,	1878-82.
LEWIS SAYRE BURCHARD, A. B., LL. B.,	1878-84.
WILLIAM WICKHAM SMITH, B. S., LL. B.,	1878-84.
ROBERT NELSON KENYON, A. B.,	1883-85.
ERNEST ILGEN, A. B.,	1883-85.
OSCAR ERLANDSEN,	
ALFRED COLIN,	

FELLOWS.

JOHN HAMPDEN DOUGHERTY, A. B., LL. B.,	1871-
CHARLES EDWARD LYDECKER, B. S., LL. B.,	1871-
MARTYN SUMMERBELL, A. M.,	1871-
ARTHUR BEACH, M. D.,	1872-
ADOLPHUS HENRY STOIBER, A. M., LL. B.,	1872-
JOHN BACH McMASTER, A. B.,	1872-
EMANUEL HOCHHEIMER, M. D.,	1872-

REGISTRARS.

WILLIAM OLAND BOURNE, A. M.,	1852-54.
JOSEPH OAKLEY NODYNE, A. M.,	1854-63.
JOHN H. CHAMBERS,	1863-69.
NATHANIEL W. BLUNT,	1869-70.
JOHN T. CUMING,	1870-73.

ASSISTANTS IN THE CHEMICAL LABORATORY.

JAMES RANDOLPH BRANT, A. B.,	1855-59.
SIMON FRAZER MACKIE, A. M.,	1859-63.
ASA WILLIAMS WILKINSON, M. D.,	1863-82.

JANITORS.

NICHOLAS SEEBER,	1848-58.
GROSVENOR WATERS,	1858-62.
JOSEPH DELANEY,	1862-69.
JOHN BONNEY,	1869-80.
JOHN BELL,	1881-83.

University of the State of New York.



FORTY-FIRST

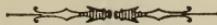
ANNUAL REGISTER

OF

The College of the City

OF

New York.



1889-90.

PRESS OF DELEEUW & OPPENHEIMER,
231 WILLIAM STREET, NEW YORK.

CONTENTS.

1889-90.

	PAGE
BOARD OF REGENTS,	4
BOARD OF TRUSTEES—EXECUTIVE COMMITTEE,	5
OFFICERS OF INSTRUCTION, GOVERNMENT, ETC.,	6
THE COLLEGE—ITS FOUNDATION, HISTORY, ETC.,	10
TERMS, VACATIONS, DAILY SESSIONS,	11
REQUISITES FOR ADMISSION,	11
COURSES OF STUDY,	12
DEPARTMENTS OF STUDY,	22
LIBRARY,	36
WORKSHOP,	36
DISCIPLINE,	37
EXAMINATIONS,	38
ALLOWANCE OF MARKS,	38
MERIT ROLL,	39
COMMENCEMENT,	40
MEDALS AND PRIZES,	41
CLASSICAL SCHOLARSHIP,	45
DEGREES,	45
THE ASSOCIATE ALUMNI,	46
STUDENTS' AID FUND,	47
LITERARY SOCIETIES,	47
COMMENCEMENT, 1889—	
MEDALISTS AND PRIZEMEN,	48
HONOR MEN,	50
DEGREES CONFERRED,	51
DIRECTORY—	
CALENDAR,	52
BOARD OF TRUSTEES,	53
OFFICERS OF THE COLLEGE,	54
STUDENTS,	55

30 Jan 90

UNIVERSITY OF THE STATE OF NEW YORK.

BOARD OF REGENTS.

1889.

HENRY R. PIERSON, LL.D., *Chancellor of the University*, . . . ALBANY.
GEORGE WILLIAM CURTIS, LL.D., *Vice-Chancellor*, WEST NEW BRIGHTON.
DAVID B. HILL, *Governor*,
EDWARD F. JONES, *Lieutenant-Governor*,
FREDERICK COOK, *Secretary of State*,
ANDREW S. DRAPER, *Sup't of Public Instruction*, } *Ex-Officio, ALBANY.*

Arranged in the order of their appointment :

GEORGE W. CURTIS, LL.D., 1864,	. . . . .	WEST NEW BRIGHTON.
FRANCIS KERNAN, LL.D., 1870,	. . . . .	UTICA.
HENRY R. PIERSON, LL.D., 1872,	. . . . .	ALBANY.
MARTIN I. TOWNSEND, LL.D., 1873,	. . . . .	TROY.
ANSON J. UPSON, D.D., LL.D., 1874,	. . . . .	AUBURN.
WILLIAM L. BOSTWICK, 1876,	. . . . .	ITHACA.
CHAUNCEY M. DEPEW, LL.D., 1877,	. . . . .	NEW YORK.
CHARLES E. FITCH, 1877,	. . . . .	ROCHESTER.
ORRIS H. WARREN, D.D., 1877,	. . . . .	SYRACUSE.
LESLIE W. RUSSELL, LL.D., 1878,	. . . . .	CANTON.
WHITE LAW REID, 1878,	. . . . .	NEW YORK.
WILLIAM H. WATSON, M.D., 1881,	. . . . .	UTICA.
HENRY E. TURNER, 1881,	. . . . .	LOWVILLE.
ST. CLAIR McKELWAY, 1883,	. . . . .	ALBANY.
HAMILTON HARRIS, 1885,	. . . . .	ALBANY.
DANIEL BEACH, LL.D., 1885,	. . . . .	WATKINS.
WILLARD A. COBB, 1886,	. . . . .	LOCKPORT.
CARROLL E. SMITH, 1888,	. . . . .	SYRACUSE.
MELVIL DEWEY, <i>Secretary</i>,	. . . . .	ALBANY.
ALBERT B. WATKINS, Ph.D., <i>Assistant Secretary</i>,	. . . . .	ALBANY.

BOARD OF TRUSTEES.

J. EDWARD SIMMONS, LL.D., CHAIRMAN.

HENRY L. SPRAGUE,	DE WITT J. SELIGMAN,
H. WALTER WEBB,	ROBERT M. GALLAWAY,
RANDOLPH GUGGENHEIMER,	CHARLES L. HOLT,
HENRY SCHMITT,	JOHN L. N. HUNT,
SAMUEL M. PURDY,	FREDERICK KUHNE,
MRS. MARY NASH AGNEW,	MILES M. O'BRIEN,
MISS GRACE H. DODGE,	EDWARD H. PEASLEE,
JACOB D. VERMILYE,	MRS. SARAH H. POWELL,
J. EDWARD SIMMONS, LL.D.,	ADOLPH L. SANGER,
FERDINAND TRAUD,	THADDEUS MORIARTY,
FREDERICK W. DEVOE,	ALEXANDER S. WEBB, LL.D.

ARTHUR McMULLIN, A.M., SECRETARY.

EDWARD E. VAN SAUN, ASSISTANT SECRETARY.

EXECUTIVE COMMITTEE

FOR THE

CARE, GOVERNMENT AND MANAGEMENT OF THE COLLEGE.

CHARLES L. HOLT, CHAIRMAN.

RANDOLPH GUGGENHEIMER,	JOHN L. N. HUNT,
JACOB D. VERMILYE,	FREDERICK KUHNE,
J. EDWARD SIMMONS,	ADOLPH L. SANGER,
FREDERICK W. DEVOE,	THADDEUS MORIARTY,
	ALEXANDER S. WEBB.

OFFICERS
OF
INSTRUCTION, GOVERNMENT, ETC.
ARRANGED IN ORDER OF SENIORITY.

THE PRESIDENT AND PROFESSORS CONSTITUTE THE FACULTY.

ALEXANDER STEWART WEBB, LL.D.,
President.

JEAN ROEMER, LL.D.,
Vice-President, and Professor of the French Language and Literature.

ROBERT OGDEN DOREMUS, M.D., LL.D.,
Professor of Chemistry and Physics.

ADOLPH WERNER, Ph.D.,
Professor of the German Language and Literature, and Secretary of the
Faculty.

ALFRED GEORGE COMPTON, A.M.,
Professor of Applied Mathematics.

CHARLES GEORGE HERBERMANN, Ph.D., LL.D.,
Professor of the Latin Language and Literature, and Librarian.

DAVID BURNET SCOTT, Ph.D.,
Professor of the English Language and Literature.

SOLOMON WOOLF, A.M.,
Professor of Descriptive Geometry and Drawing.

GEORGE BENTON NEWCOMB, PH.D.,
Professor of Moral and Intellectual Philosophy.

FITZ GERALD TISDALL, PH.D.,
Professor of the Greek Language and Literature.

JAMES WEIR MASON, A.M.,
Professor of Pure Mathematics.

HENRY PHELPS JOHNSTON, A.M.,
Professor of History.

WILLIAM STRATFORD, M.D., PH.D.,
Professor of Natural History.

BENJAMIN ARAD SHELDON, PH.D.,
Tutor in Mathematics.

CASSIMIR FABREGOU, A.M.,
Tutor in French.

WILLIAM GEORGE McGUCKIN, A.B., LL.B.,
Tutor.

JOHN ROBERT SIM, A.B.,
Tutor.

LEIGH HARRISON HUNT, M.S.,
Tutor.

JULIUS C. MORGENTHAU, PH.D.,
Tutor.

IVIN SICKELS, M.S., M.D.,
Tutor.

CALVIN RAE SMITH,
Tutor.

JOSEPH FRANCIS MULQUEEN, A.M.,
Tutor.

CHARLES AVERY DOREMUS, M.D., Ph.D.,
Tutor and Assistant in the Laboratory.

DAVID CHERBULIEZ,
Tutor.

GUSTAVE LEGRAS, B.S.,
Tutor.

LEWIS FREEMAN MOTT, M.S.,
Tutor.

HARVEY MITCHELL, M.E.,
Tutor.

AUGUST RUPP, A.B.,
Tutor.

LUIS ALEJANDRO BARALT, A.B., M.D.,
Special Instructor in the Spanish Language.

ROBERT HOUSTON,
Special Instructor in Eloquence.

HENRY G. KOST, B.S.,
Tutor.

L. HEINRICH FRIEDBURG, Ph.D.,
Special Instructor in Chemistry and Physics.

JOHN ALFRED MANDEL,
Assistant in Laboratory.

BASHFORD DEAN, A.M.,
Tutor.

WILLIAM FOX, B.S., M.E.,
Tutor.

JAMES HERVEY DE GROADT,
Assistant in Workshop.

H. WHEELER POWELL, B.S.,
Tutor.

CARL SCHURZ PETRASCH, B.S.,
Tutor.

CHARLES H. PARMLY, B.S.,
Tutor.

WALTER O'BRIEN,
Tutor.

FREDERIC E. PERHAM, B.S.,
Tutor.

STANISLAS C. CONSTANT,
Tutor.

LOUIS FENNEBRESQUE, B.S. et L.,
Tutor.

ERNEST ILGEN, A.B.,
Tutor.

CHARLES F. HORNE, B.S.,
Temporary Tutor.

LIVINGSTON SCHUYLER, A.B.,
Temporary Tutor.

ROBERT W. CANA,
Registrar and Deputy Librarian.

HENRY MAYELL,
Secretary to the President.

MICHAEL F. BONNEY,
Janitor.

JAMES REED,
Engineer.

THE COLLEGE.

The College of the City of New York, originally entitled the Free Academy, was established in 1848 by the Board of Education of the City of New York, in pursuance of an Act of the Legislature of the State, passed May 7, 1847, and ratified by the vote of the people of the city, June 9, 1847. The first class entered January, 1849, and completed its course in July, 1853. In the year 1854 the Legislature passed a law endowing the institution with collegiate powers and privileges, so far as pertained to the conferring upon its graduates the usual collegiate degrees and diplomas in the Arts and Sciences. In the year 1866, on the recommendation of the Board of Education, the Legislature of the State changed the name to that of "*The College of the City of New York*," and conferred on the institution the powers and privileges of a college, pursuant to the Revised Statutes of the State, rendering it subject to the provisions of the said statutes relative to colleges, and to the visitation of the Regents of the University, in like manner with other colleges of the State, and making the members of the Board of Education, *ex-officio*, the Trustees of the College. In 1872 the President of the College was, by Act of Legislature, made a member of the Board of Trustees. In the year 1882 the Legislature repealed so much of the statutes relating to the College as had made one year's attendance at the public schools of the city a requisite for admission, thus opening the College to all young men of the city of proper age and sufficient preparation. Instruction is free; so is the use of text-books and apparatus; and there is no expense whatever to be borne by the students.

TERMS, VACATION, DAILY SESSIONS.

The College year begins on the Thursday following the second Monday of September, and closes on the fortieth Thursday thereafter. It is divided into two terms. The first term closes on the fourth Friday of January; the second begins the following Monday.

There are three vacations—the Summer vacation, from the day after Commencement to the Thursday after the second Monday in September; the Winter vacation, from the 25th day of December to the 2d day of January, inclusive; and the Spring vacation, the week in which occurs the first day of May. There are no College exercises on legal holidays, or on any Friday immediately following a legal holiday.

During term-time the exercises begin at 20 minutes to 9 A. M., and continue until 5 minutes after 1 P. M. During the Winter months the sessions may open and close half an hour later.

REQUISITES FOR ADMISSION.

The examination of applicants for admission takes place immediately before the general examination in June. No applicant is admitted to the Sub-Freshman Class unless he be fourteen years of age on or before Commencement Day next following the regular examinations for admission, a resident of the City of New York, and shall have passed a good examination in *Writing, Spelling, English Grammar, Arithmetic, Plane Geometry* as taught in the Common Schools, *Geography, History of the United States*, and in the *Elements of Industrial Drawing*.

No person is allowed to be present at the examinations for admission except the instructors of the College and the members of the Board of Trustees. Neither the names of the candidates nor the schools from which they come are made known to the instructors conducting the examination, but each candidate is designated, during the examination, by a number assigned to him by the President. Candidates who pass a good examination are admitted *on probation for eight weeks*, at the expiration of which

those who have shown the ability to prosecute the prescribed studies have their names entered on the rolls of the College.

In addition to the general examination in June, special examinations for admission to the higher classes are held on the last Friday in each month.

Any young man, a resident of the city, may be received into any of the higher classes, provided he passes satisfactorily the same examination as the students of the class to which he may seek admission.

To be admitted to examination, candidates present to the President of the College certificates in due form, signed by the Principals of the schools which they have attended, and specifying the dates and length of time of their attendance.

Every student, on leaving the institution, after one year, with a good character, is entitled to a certificate stating the period he has been in the College and the studies there pursued by him, provided he has satisfactorily accounted for all the books and other property entrusted to him; but no student shall receive such a certificate if he be dismissed for misconduct. If a student absents himself for two weeks without permission, his name is stricken from the rolls, and he loses his right to a certificate of good standing on leaving the institution.

COURSES OF STUDY.

There are three courses of study, each of five years' duration. The student, or his parent or guardian, is required to choose one of these courses on entering, and no change from one course to another is permitted, except on passing an examination satisfactory to the Faculty, in the studies that have been pursued by the class which the student desires to join. An outline of the studies in each course is given in the schedule on pages 13 to 22.

The three courses are alike collegiate in character, aiming at general development of the powers of the mind rather than special preparation for a particular pursuit in life. The Classical Course gives special prominence to the Latin and Greek languages, but includes one modern language also in the Senior year. It leads to the degree of Bachelor of Arts. In the Scien-

tific and Mechanical Courses more attention is paid to mathematics and modern languages, but Latin may, at the option of the student, be included in the Senior year, in the Scientific Course. These two courses lead to the degree of Bachelor of Sciences.

The Mechanical Course differs from the Scientific Course in giving more prominence to the applications of mechanical science during the Senior year, and in making practice in the work-shop and mechanical laboratory obligatory to the extent of four hours a week, on an average, during the entire course. The time for this extra work is provided, in part by the omission of a portion of the work in natural history and philosophy and the omission of a third language in the Senior year, and in part by requiring additional hours of attendance at the College, making the total number of hours in this course twenty-three a week, while in the others it is twenty.

In the Classical and Scientific Courses, work-shop practice is permitted in the afternoons, as far as the capacity of the shops will allow, to such students as, in the opinion of the Faculty, can perform this work without interfering with their studies.

There is also a Post-Graduate Course in Civil Engineering, extending through two years.

In addition to the lectures and recitations indicated in the following schedule, there are exercises in oratory and declamation in the Chapel every morning, when one Senior, one Junior and one Sophomore speak before the whole College.

CLASSICAL COURSE.

SUB-FRESHMAN CLASS.

FIRST YEAR—FIRST TERM.

	Hours per week.
English Language.....{ <i>Brown's Institutes of English Grammar,</i> { <i>Poetical Selections,</i> }	3
Latin..... <i>Allen and Greenough's Grammar, Leighton's Lessons,</i>	5
Geometry..... <i>Davies' Legendre,</i>	5
Botany..... <i>Kellerman,</i>	2
Free-hand Linear Drawing.....	3
Elements of Physics (Lectures)..... <i>Cooley,</i>	2

FIRST YEAR—SECOND TERM.

		Hours per week
English Language.....	Abbott's "How to Write Clearly,"	3
Latin.....	.....as in first term,	5
Algebra	Wentworth,	5
Anatomy.....	.....Lectures,	2
Free-hand Linear Drawing.....	.....	3
Elements of Physics.....	.....as in first term,	2

FRESHMAN CLASS.

SECOND YEAR—FIRST TERM.

English Synonyms.....	Graham,	1
Latin	{ Herbermann's <i>Sallust</i> , Allen and Greenough's { Grammar, Prose Composition,	3
Greek.....	Goodwin's Grammar, White's First Lessons,	3
History.....	Freeman's Historical Course, General Sketch,	3
Algebra.....	Loomis,	2
Geometry.....	Davies' <i>Legendre</i> ,	3
Descriptive Geometry.....	.....	3
Zoölogy (Lectures).....	Orton,	2

SECOND YEAR—SECOND TERM.

English Synonyms.....	.....as in first term,	1
Latin.....	Cicero's <i>Orations</i> , Latin Grammar and Prose Composition,	3
Greek .....	.....as in first term, and Goodwin's <i>Xenophon's Anabasis</i> ,	3
History.....	.....as in first term,	3
Geometry.....	.....Davies' <i>Legendre</i> ,	2
Plane Trigonometry and Mensuration.	{ Docharty, Compton's Manual, { Loomis' Logarithms,	3
Zoölogy.....	.....as in first term,	2
Shades and Shadows and Perspective.....	.....	3
Compositions.	.....

SOPHOMORE CLASS.

THIRD YEAR—FIRST TERM.

English Language and Literature.....	Shaw,	2
Rhetoric.....	Bain's Manual,	2
Logic.....	.....Jevons,	1
Latin.....	Frieze's <i>Virgil's Aeneid</i> , Grammar, Prose Composition,	2
Greek.....	{ Goodwin's Grammar and <i>Anabasis</i> , Arnold's { Prose Composition,	3
History.....	Thompson's <i>History of England</i> ,	2
Chemistry.....	Clowes' <i>Practical and Analytical Chemistry</i> ,	2
Spherical Trigonometry, Surveying and Navigation.....	.....Docharty,	3
Free-hand Drawing—Course of Ornament.....	.....	3
Compositions and Declamations.	.....

THIRD YEAR—SECOND TERM.

Hours per week

English Literature.....	<i>Shaw,</i>	2
Rhetoric.....	<i>as in first term,</i>	2
Logic.....	<i>as in first term,</i>	1
Latin.....	<i>Lincoln's Livy, Grammar, Prose Composition,</i>	2
Greek.....	{ <i>Goodwin's Grammar, Arnold's Prose Composition, Winan's Xenophon's Memorabilia and Plato's Crito.</i> }	3
History.....	<i>as in first term,</i>	2
Chemistry.....	<i>as in first term,</i>	2
Analytical Geometry.....	<i>Peck,</i>	3
Drawing and Study of the Antique and Figure.....		3
Compositions and Declamations.		

JUNIOR CLASS.

FOURTH YEAR—FIRST TERM.

English Language and Literature, Poetry...	<i>Shaw, and Printed Selections,</i>	2
Latin.....	{ <i>Anthon's Horace, Tyler's Tacitus, Agricola and Germania, Grammar, Prose Composition,</i> }	4
Greek.....	{ <i>Goodwin's Greek Grammar, Arnold's Prose Composition, Demosthenes' Orations,</i> }	3
Political Science*....	{ <i>Lectures, Cooley's and Kent's Constitutional Law, Woolsey's International Law,</i> }	3
Mechanics and Acoustics (Lectures).....	<i>Bartlett,</i>	4
Chemical Physics.....	<i>Pynchon,</i>	2
History (Lectures).....	<i>Eliot's History of the U. S.,</i>	1
Anthropology (Lectures), Zoölogy	<i>Tenney,</i>	1
Original Declamations.		

FOURTH YEAR—SECOND TERM.

English Language and Literature, Prose.....	{ <i>Brooke, Shaw, and Printed Selections,</i> }	2
Latin.....	{ <i>Cicero's Letters, Horace's Satires and Epistles, Prose Compositions,</i> }	2
Greek.....	{ <i>Grammar and Prose Composition, Selections from Iliad or Odyssey of Homer,</i> }	3
Optics and Astronomy (Lectures).....	<i>Bartlett, Newcomb,</i>	4
Political Economy (Lectures).....	<i>Walker's Political Economy,</i>	3
Chemical Physics.....	<i>as in first term,</i>	2
History.....	<i>as in first term,</i>	1
Anthropology, Zoölogy.....	<i>as in first term,</i>	1
Original Declamations.		

* In the Junior year the students in the Classical Course have the option between Mathematics (the Calculus) and Philosophy (Law and Economy).

SENIOR CLASS.

FIFTH YEAR—FIRST TERM.

		Hours per week.
French	{ <i>Robertson's Grammar, Roemer's Polyglot Reader, Roemer's Cours de Lecture, Vols. I, II, Roemer's French Idioms,</i>	
or	{ <i>Sheldon's Grammar, Whitney's Reader,</i>	
German	.....<i>Ollendorff's Grammar, Morales' Reader, Butler's Phrases,</i>	5
or	{ <i>Iriate's Fables, Roemer's Spanish Polyglot, and English Polyglot,</i>	
Spanish		
Latin	.....{ <i>Crutwell's Roman Literature, Latin Prose, Latin Grammar, Harrington's Plautus,</i>	3
	{ <i>A Play of Æschylus or Sophocles or Euripides.</i>	
Greek.	.....{ <i>Selections from Herodotus and Thucydides, Jevons' Greek Literature, Grammar,</i>	3
Chemistry	.....<i>Bloxam, Clowes' Practical Chemistry,</i>	3
Psychology (Lectures)	.....{ <i>Janes' Human Psychology, Porter's Intellectual Science,</i>	4
Pedagogics * <i>Lectures,</i>	
Geology, Mineralogy, and Palæontology (Lectures)	.....<i>Dana,</i>	1
Æsthetics and the History of Art (Lectures)	.....
Original Declamations.		1

FIFTH YEAR—SECOND TERM.

French	.....	as in first term,	5
or			
German	.....	
or			
Spanish	.....	
Latin	.....<i>Cicero's De Natura Deorum, Maclean's Juvenal,</i>		3
Greek	.....{ <i>A Play of Aristophanes, Lectures on the Language and Literature, Jevons,</i>		3
History of Philosophy, Ethics (Lectures)	.....<i>Eltmendorf, Janet, Urberwig,</i>		4
Chemistry	.....	as in first term,	3
Geology, Mineralogy, Palæontology	.....	as in first term,	1
Æsthetics and the History of Art	.....	as in first term,	1
Original Declamations.			

*Lectures on the theory of Pedagogics are delivered during the first term by the Professor of Philosophy.

SCIENTIFIC COURSE.

SUB-FRESHMAN CLASS.

FIRST YEAR—FIRST TERM.

		Hours per week.
English Language.....	{ <i>Brown's Institutes of English Grammar,</i> <i>Poetical Selections,</i>	3
French.....	<i>Vannier, Robertson's Grammar,</i>	5
Geometry.....	<i>Davies' Legendre,</i>	5
Botany.....	<i>Kellerman,</i>	2
Free-hand Linear Drawing.....		3
Elements of Physics (Lectures)	<i>Cooley,</i>	2

FIRST YEAR—SECOND TERM.

English Language.....	<i>Abbott's "How to Write Clearly,"</i>	3
French.....	<i>as in first term, and Roemer's Cours de Lecture, Vol. I,</i>	5
Algebra	<i>Wentworth,</i>	5
Anatomy.....	<i>Lectures,</i>	2
Free-hand Linear Drawing.....		3
Elements of Physics.....	<i>as in first term,</i>	2

FRESHMAN CLASS.

SECOND YEAR—FIRST TERM.

English Synonyms.....	<i>Graham,</i>	1
French	{ <i>Roemer's Cours de Lecture, Vol. I, Roemer's Polyglot Reader, Robertson's Grammar,</i>	3
{ German.....	<i>Eysenbach's Grammar,</i>	2
{ or		
{ Spanish.....	{ <i>Ollendorff, Morales' Reader, Butler's Phrases, Iriarte's Fables,</i>	2
History.....	<i>Freeman's Historical Course, General Sketch,</i>	3
Algebra.....	<i>Loomis,</i>	2
Geometry.....	<i>Davies' Legendre,</i>	3
Zoölogy (Lectures).....	<i>Orton,</i>	2
Descriptive Geometry.....		4
Compositions.		

SECOND YEAR—SECOND TERM.

English Synonyms.....	<i>as in first term,</i>	1
French.....	<i>Roemer's Cours de Lecture, Vol. II, and Polyglot Reader,</i>	3
{ German.....		2
{ or		
{ Spanish.....	{ <i>as in first term,</i>	2
History.....	<i>as in first term,</i>	3
Geometry.....	<i>Davies' Legendre,</i>	2
Plane Trigonometry and Mensuration.	{ <i>Docharty, Loomis' Logarithms,</i>	3
	{ <i>Compton's Manual,</i>	
Shades, Shadows and Perspective.....		4
Zoölogy.....	<i>as in first term,</i>	2
Compositions.		

SOPHOMORE CLASS.

THIRD YEAR—FIRST TERM.

		Hours per week.
English Literature.....	Shaw,	2
Rhetoric.....	Bain's Manual,	2
Logic.....	Jevons,	1
French.....	{ Roemer's <i>Cours de Lecture</i> , Vols. II and III, Robertson's Grammar, Sadler's Versions, Roemer's French Idioms, }	2
{ German.....	Whitney's Reader, Eysenbach's Grammar, }	3
{ or		
{ Spanish.....	Iriarte's Fables, Ollendorff, Roemer's Polyglot Readers, }	3
History.....	Thompson's <i>History of England</i> ,	2
Spherical Trigonometry, Surveying and Navigation.....	Docharty,	3
Free-hand Drawing—Course of Ornament.....		3
Chemistry.....	Clowes' <i>Practical and Analytical Chemistry</i> ,	2
Compositions and Declamations.		

THIRD YEAR—SECOND TERM.

English Literature...	as in first term,	2
Rhetoric.....	as in first term,	2
Logic.....	as in first term,	1
French.....	as in first term,	2
{ German.....		3
{ or		
{ Spanish.....	as in first term,	3
History.....	as in first term,	2
Analytical Geometry.....	Peck,	3
Drawing and Study of the Antique and Figure.....		3
Chemistry.....	as in first term,	2
Compositions and Declamations.		

JUNIOR CLASS.

FOURTH YEAR—FIRST TERM.

English Language and Literature, Poetry...	Shaw and Printed Selections,	2
{ German.....	Eysenbach's Grammar, Pütz's Reader,	}
{ or		5
{ Spanish.....	{ Moratin, Don Quixote, Roemer's Polyglot Reader, Morales' Reader,	}
Political Science (Lectures)...	{ Cooley's and Kent's Constitutional Law, Woolsey's International Law,	3
Differential and Integral Calculus.....	Peck,	3
Chemical Physics.....	Fiske, Pynchon,	2
History (Lectures).....	Eliot's <i>History of the U. S.</i> ,	1
Acoustics and Optics and Heat (Lectures).....	Bartlett,	3
Anthropology (Lectures), Zoölogy	Tenney,	1
Original Declamations.		

FOURTH YEAR—SECOND TERM.

	Hours per week.
English Language and Literature, Prose.. { <i>Brooke, Shaw, and Printed Selections.</i>	2
{ German	5
or	
{ Spanish.....	as in first term,
Political Economy (Lectures)..... <i>Walker's Political Economy,</i>	3
Differential and Integral Calculus.....	as in first term,
Chemical Physics.....	as in first term,
History	as in first term,
Acoustics and Optics and Heat.....	as in first term,
Anthropology, Zoölogy.....	as in first term,
Original Declamations.	1

SENIOR CLASS.

FIFTH YEAR—FIRST TERM.

Spanish	{ <i>Ollendorff's Grammar, Butler's Phrases, Iriarte's Fables, Roemer's Polyglot Reader,</i>	5
or	{ <i>Sheldon's Grammar, Whitney's Reader,</i>	
German.....	{ <i>Latin Grammar, Harkness' Cæsar, Herbermann's Sallust, Leighton's Lessons,</i>	
Latin	{ <i>Janes' Human Psychology, Porter's Intellectual Science,</i>	
{ Psychology (Lectures).....	{ <i>Lectures,</i>	4
Pedagogics.....		
Chemistry.....	<i>Bloxam, Clowes' Practical Chemistry,</i>	3
Mechanics and Astronomy.....	<i>Bartlett,</i>	5
Geology, Palæontology and Mineralogy (Lectures)	<i>Dana,</i>	1
Æsthetics and the History of Art (Lectures).....		1
*French or German.....		1
Original Declamations.		

FIFTH YEAR—SECOND TERM.

Spanish	5	
or		
German.....		
or		
Latin.....	{ <i>Grammar, Leighton's Lessons, Chace's Cicero, Frieze's Virgil's Aeneid,</i>	
History of Philosophy, Ethics (Lectures)....	<i>Elmendorf, Janet, Urberwig,</i>	4
Chemistry.....	as in first term,	3
Mechanics and Astronomy.....	as in first term,	5
Geology and Palæontology, Mineralogy.....	as in first term,	1
Æsthetics and the History of Art.....	as in first term,	1
French or German.....		1
Original Declamations.		

*In the Senior year the students of the Scientific Course may, at their option, have one lesson a week in French, or in the second modern language.

MECHANICAL COURSE.

SUB-FRESHMAN CLASS.

	FIRST YEAR—FIRST TERM.	Hours per week.
English Language.....	<i>Brown's Institutes of English Grammar, Poetical Selections,</i>	3
French.....	<i>Vannier, Robertson's Grammar,</i>	5
Geometry	<i>Davies' Legendre,</i>	5
Free-hand Linear Drawing.....		3
Elements of Physics (Lectures).....	<i>Cooley,</i>	2
Workshop and Mechanical Theory.....		5

FIRST YEAR—SECOND TERM.

English Language.....	<i>Abbott's "How to Write Clearly,"</i>	3
French.....	<i>as in first term, and Roemer's Cours de Lecture, Vol. I,</i>	5
Algebra.....	<i>Wentworth,</i>	5
Free-hand Linear Drawing.....		3
Elements of Physics	<i>as in first term,</i>	2
Workshop and Mechanical Theory.....		5

FRESHMAN CLASS.

SECOND YEAR—FIRST TERM.

English Synonyms.....	<i>Graham,</i>	1
French.....	<i>{ Roemer's Cours de Lecture, Vol. I, Roemer's Polyglot Reader, Robertson's Grammar,</i>	3
German.....	<i>Ollendorff, Eysenbach's Grammar,</i>	2
History.....	<i>Freeman's Historical Course, General Sketch,</i>	3
Algebra.....	<i>Loomis,</i>	2
Geometry.....	<i>Davies' Legendre,</i>	3
Descriptive Geometry.....		4
Workshop and Theory.....		5
Compositions.		

SECOND YEAR—SECOND TERM.

English Synonyms.....	<i>as in first term,</i>	1
French.....	<i>Roemer's Cours de Lecture, Vol. II, and Polyglot Reader,</i>	3
German.....	<i>as in first term,</i>	2
History.....	<i>as in first term,</i>	3
Geometry.....	<i>Davies' Legendre,</i>	2
Plane Trigonometry and Mensuration.	<i>{ Docharty, Loomis' Logarithms,</i>	3
	<i>Compton's Manual,</i>	
Shades, Shadows and Perspective.....		4
Workshop and Theory.....		5
Compositions.		

SOPHOMORE CLASS.

THIRD YEAR—FIRST TERM.

		Hours per week.
English Literature.....	..... <i>Shaw, and Printed Selections,</i>	2
Rhetoric.....	..... <i>Bain's Manual,</i>	2
French	{ <i>Roemer's Cours de Lecture, Vols. II and III, Robertson's Grammar, Sadler's Versions, Roemer's French Idioms,</i> }	2
German .....	..... <i>Whitney's Reader, Eysenbach's Grammar,</i>	3
History.....	..... <i>Thompson's History of England,</i>	2
Spherical Trigonometry, Surveying and Navigation.....	..... <i>Docharty,</i>	3
Drawing (Mechanical).....		3
Chemistry .....	..... <i>Clowes,</i>	2
Workshop and Theory.....		4
Compositions and Declamations.		

THIRD YEAR—SECOND TERM.

English Literature.....	..... <i>as in first term,</i>	2
Rhetoric .....	..... <i>as in first term,</i>	2
French.....	..... <i>as in first term,</i>	2
German.....	..... <i>as in first term,</i>	3
History.....	..... <i>as in first term,</i>	2
Analytical Geometry.....	..... <i>Peck,</i>	3
Drawing (Mechanical).....		3
Chemistry.....	..... <i>as in first term,</i>	2
Workshop and Theory.....		4
Compositions and Declamations.		

JUNIOR CLASS.

FOURTH YEAR—FIRST TERM.

English Language and Literature, Poetry.....	<i>Shaw, and Printed Selections,</i>	2
German.....	..... <i>Eysenbach's Grammar, Pütz's Reader,</i>	5
Political Science (Lectures).....	{ <i>Cooley's and Ken's Constitutional Law,</i> } <i>Woolsey's International Law,</i>	3
Differential and Integral Calculus.....	..... <i>Peck,</i>	3
Chemical Physics.....	..... <i>Fiske, Pynchon,</i>	2
History (Lectures).....	..... <i>Eliot's History of the U. S.,</i>	1
Acoustics and Optics and Heat (Lectures).....	..... <i>Bartlett,</i>	3
Anthropology (Lectures), Zoölogy .....	..... <i>Tenney,</i>	1
Workshop and Theory.....		3
Original Declamations.		

FOURTH YEAR—SECOND TERM.

		Hours per week.
English Language and Literature, Prose.....	{ <i>Brooke, Shaw, and Printed Selections,</i> }	2
German.....	as in first term,	5
Political Economy (Lectures).....	<i>Walker's Political Economy,</i>	3
Differential and Integral Calculus.....	as in first term,	3
Chemical Physics.....	as in first term,	2
History.....	as in first term,	1
Acoustics and Optics and Heat.....	as in first term,	3
Anthropology, Zoölogy.....	as in first term,	1
Workshop and Theory.....	.....	3
Original Declamations.		

SENIOR CLASS.

FIFTH YEAR—FIRST TERM.

Theory of Prime Movers.....		5
{ Psychology (Lectures).....	{ <i>Janes' Human Psychology, Porter's Intellectual Science,</i>	4
{ Pedagogics.....	..... <i>Lectures,</i>	
Chemistry.....	<i>Bloxam, Clowes,</i>	3
Mechanics and Astronomy.....	<i>Bartlett,</i>	5
Geology, Palaeontology and Mineralogy (Lectures).....	<i>Dana,</i>	1
Æsthetics and the History of Art (Lectures).....	.....	1
Workshop, Drawing and Theory.....	.....	4
Original Declamations.		

FIFTH YEAR—SECOND TERM.

Theory of Prime Movers.....		5
History of Philosophy, Ethics (Lectures).....	<i>Elmendorf, Janet, Urberwig,</i>	4
Chemistry.....	.....	3
Mechanics and Astronomy.....	as in first term,	5
Geology and Palaeontology, Mineralogy.....	as in first term,	1
Æsthetics and the History of Art.....	as in first term,	1
Workshop, Drawing and Theory.....	.....	4
Original Declamations.		

DEPARTMENTS OF STUDY.

The following statements are intended to explain the ground gone over in the several departments and the methods pursued.

ENGLISH LANGUAGE AND LITERATURE.

In the Sub-Freshman year, the students are trained in the construction of the English sentence, including Punctuation. The text-book used is *Abbott's "How to Write Clearly."* A number

of poetical extracts are memorized after thorough explanation and analysis.

The one hour a week which is allotted to this department in the Freshman year is devoted to the history and character of the English language, *Clark's Elements* being the guide.

In both terms of the Sophomore Class the history of English Literature is pursued, with *Shaw* as a text-book. *Bain's Rhetoric* is also studied throughout the year.

During the Junior year the study of the English Language and Literature is continued. The chief writers are examined in groups, and the principles of rhetoric learned the previous year are applied critically.

Compositions are required from the students of the Senior, Junior and Sophomore Classes, and are examined by the Professor himself and by different instructors under his supervision.

LATIN LANGUAGE AND LITERATURE.

This department comprises a longer and a shorter course. The five years course begins, in the Sub-Freshman Class, with the elements of the language, and includes the authors generally studied in colleges. That the students of this College are enabled to cover so much ground in five years, is due to several causes. In the first place, they begin the study at a much more advanced age than boys in classical preparatory schools. In the next place, considerable time is devoted to it in the two highest classes, where in many colleges it disappears wholly from the plan of studies. Again, the training proceeds upon a uniform method from first to last. Lastly, the thoroughness of the College examinations secures classes of nearly uniform acquirements, so that the progress of the class is not retarded by the presence of ill-prepared students.

As the object of all good teaching is to make the scholar independent of the teacher, the department aims, above all else, to impart to the students correct methods. Hence two years are devoted wholly to the study of the prose-writers on which the syntax is based (*Cæsar, Cicero, Sallust*). Only when the students

are able to feel a deviation from the rules there laid down do they take up *Virgil* and *Horace*, and the ante-classic and post-classic writers. To keep before them the ideal of classic prose, some of *Cicero's writings* are read in the Junior and Senior years. To make the study a means of acquiring a more thorough command of the mother tongue, idiomatic translation is insisted on. Whilst grammatical construction is everywhere carefully explained, care is taken that the scholar shall not forget that, in every literature, language is but the dress of thought. Hence the subject matter is explained thoroughly and illustrated by reference to history, mythology, art, social and political antiquities, law and etymology.

A course of one year is open to such of the Scientific Seniors as elect it. Their previous language studies enable them to make rapid progress. They read selections from *Cæsar* and *Sallust*, an oration of *Cicero* and a book of *Virgil*.

GREEK LANGUAGE AND LITERATURE.

The study of Greek is begun in the Freshman year. The students learn the paradigms, the orthography, and the general rules of syntax, complete a course of fifty-five lessons in *White's Lessons in Greek*, and read two chapters of the first book of the *Anabasis*.

In the Sophomore year Etymology and the general rules of Syntax are thoroughly reviewed and the details studied. There are weekly exercises in the elements of Greek prose composition.

Selected passages are read in the first four books of the *Anabasis*, the *Memorabilia* and a dialogue of *Plato*; about fifty pages in all. In the first the attention of the students is directed to the historical and geographical allusions, and in the last two, in addition to these, to the doctrines and opinions propounded. During this year a parallel is drawn between the Greek and Latin syntax, thereby greatly aiding the student; and the difference of the English idioms dwelt upon.

In the Junior year the exercises in composition are continued. Attention is directed to the formation of words. Either three popular orations of Demosthenes or selections from the *De Corona*

are read, with attention to history and geography, and a critical analysis of the orator's style. About two books of either the *Iliad* or the *Odyssey* are read, attention being given to the scansion and Homeric syntax and dialect ; and the Homeric question is presented.

The Seniors read selections from Herodotus and Thucydides, accompanied with criticism of the styles and short lectures on the historical episodes discussed. Also there are read portions of a tragedy, and an entire comedy. Lectures are given on the drama and theatre, and on the Greek Language and Literature.

FRENCH LANGUAGE AND LITERATURE.

In the Scientific and Mechanical Courses, French is studied by all the students during three years, and optionally by some in the Senior year.

In the first term of the Sub-Freshman year, the course is merely practical, and little attention is paid to the grammar. To this the student is introduced more particularly in the second term, during which the exercises include written translations of easy French narratives and the construction of French sentences according to grammatical rules.

In the Freshman year, the work consists, *first*, of oral translation from the French, based upon logical and grammatical analysis, and aiming at the idiomatic rendering into English of the foreign text; *second*, of retranslation and phraseological exercises, both by imitation and by application of the grammar.

In the Sophomore year, the time is devoted, *first*, to the written translation of English selections into French; *second*, to the reading of passages from modern novels and plays; *third*, to giving oral and written *résumés* of these passages.

In the optional Senior course of one hour weekly, some short work of modern prose is read critically, and a series of lectures is delivered on the history of the French language and of the Norman-French in England.

For students of the Classical Course who elect French in the

Senior year, the course is so modified as to apply to advantage their previous training, especially their knowledge of Latin.

The students in the Mechanical division follow the course above laid down for the Scientific students with appropriate modifications.

The text-books used in this department are *Robertson's Method* and the professor's *Cours de Lecture, Etude Raisonnée, Contes et Mélanges, Histoire et Roman Historique* and *Polyglot Reader*.

GERMAN LANGUAGE AND LITERATURE.

Eysenbach's Grammar is introduced at the beginning of the Freshman year—during which it is the only book put into the students' hands—continued at the rate of one lesson a week through the Sophomore year, and of two lessons a week through the Junior year, at the close of which it is completed. In the Sophomore and Junior years, selections in prose and verse are read. Those students who choose to continue in this department through the Senior year read in Goethe, also a comedy and a scientific essay; they are exercised in composition and conversation.

In the one year Senior course, also, the work proceeds in the direction above stated; but, of necessity, is less extended.

In both courses poetry is memorized, and prose is so learnt that the students can produce the German when the teacher gives the translation.

SPANISH LANGUAGE AND LITERATURE.

The study of the Spanish language and literature is carried on in all three courses—the Classical, the Scientific, and the Mechanical.

The Scientific students begin Spanish in the Freshman year. The elements of the language are acquired by the study of selections from *Butler's Phrase Book*, and the reading of selections in prose and verse from *Iriarte* and *Morales' Reader*.

In the Sophomore year, *Quintana's Lives* are read, exercises in dictation are added, and *Sales' Grammar* and *Pizaro's Phrases* are issued.

The Juniors review the grammar by the study of Sales' work; they translate Moratin's comedy, *El si de las Niñas*, and selections from *Don Quijote*; make oral and written translations of English selections of various styles; write Spanish compositions; and study Spanish versification and literature.

The work of the Classical students in the Senior Class does not differ materially from that outlined above, except as it is affected by the shortness of the course; which is, however, in a degree compensated for by the greater maturity and better preparation by the class.

Spanish is also taught in the Mechanical Course. The instruction is in the main the same as in the Scientific course; but it is also adapted to the special wants of the students.

In all the classes practical exercises in dictation, translation, analysis, composition and conversation are considered of great importance.

HISTORY.

The History course extends through the Freshman, Sophomore and Junior years in all the courses. The Freshman Class study *Freeman's General Sketch*, completing and reviewing the book, with map illustrations and exercises.

This general view of the history of Europe is succeeded, in the Sophomore class, by the thorough study of English history. *Thompson's History* is taken as a guide, but the professor adds largely, by explanation and lecture, to the matter contained in the text-book.

In the Junior year lectures are delivered upon American topics—the aim of the course being not only to extend the student's knowledge in this field, but also to lead him into critical and comprehensive methods of studying the history of his own country. The important events from the period of discovery to the present times are examined mainly with reference to their causes

and influence, while due attention is paid to institutional history. Topics such as the following are treated: The gradual unfolding of the New World to the Old; the struggle for possession here by European powers; Colonial life and tendencies; the growth of liberty and of local self-government, involving the relation of American history to English; the Revolution; the new order of things; history of American politics, etc. Students are called upon to discuss the subjects in the class-room, where they also become familiar with the standard and, as far as possible, original authorities on American history. *Eliot's History of the United States* is used as a reference-book.

The Historical Cabinet contains a collection of electrotypes of nearly four hundred of the finest ancient coins in the British Museum; the obverse and the reverse of each coin being shown. The arrangement exhibits, chronologically and geographically, the history of coinage from 700 b. c. to the Christian era. An additional section, one of a small number yet seen in the United States, exhibits the most famous medallions struck from A. D. 1 to 217. The whole collection is the gift of the class of '75.

PHILOSOPHY.

The studies in this department are commenced in the Sophomore year. Logic, deductive and inductive, is then studied, as a discipline preparatory to the whole course. *Jevons' Lessons* is used as a text-book, and the students are taught to practically apply logical principles by means of numerous exercises, written and oral.

The philosophical studies of the Junior year are in the field of political and social science. The first term is devoted to political science. A course of lectures is given, indicating the foundations of law and government in human nature, tracing the growth of law and governmental forms and the development of the modern constitutional state, and discussing questions in the philosophy of government and legislation. American constitutional law is studied in *Cooley's* and *Kent's* expositions, with comparison of our own with other systems. A brief view of international

law is given, *Woolsey's* manual being used as a basis. In the second term economic science is taken up; the intimate connection of the economic with the political structure and development of society having already been considered, the study continues to be one of social development, but in its economic phase. Walker's text-book is used, with extended comments, and lectures are given on special topics, such as the money system of the United States. U. S. Finance Reports have been furnished for study.

The Senior year studies are, Psychology, Philosophy and Ethics. The principles of Pedagogics, as based in Psychology, are treated of, in connection with Psychology, but in a separate course of lectures, on theory of teaching.

The instruction of the year is chiefly by lectures, with selections from manuals and with directions for reading. In Psychology, the aim is to present a descriptive view of the phenomena and laws of mental action, and also, without dwelling much on philosophical questions, to make the study lead up to philosophy. The positions of different schools on controverted points are noticed. Attention is given to physiological psychology.

The subjects of the second term are, General Philosophy and Ethics. The philosophical doctrines and systems of most historic importance are, as far as time admits, examined and the development of speculative thought traced, to aid in elucidating the principal questions now discussed by philosophers. Political, educational and ethical theories are examined, and select topics in practical ethics are discussed, with the aid of *Janet's Manual*.

Theses on assigned topics in the course are prepared and discussed by students during the Junior and Senior years.

MATHEMATICS.

The course in Pure Mathematics is the same for all students as far as the close of the Sophomore year.

The Sub-Freshman Class study *Davies' Legendre* through the fifth book, with additional problems and theorems from the ap-

pendix and elsewhere, and *Wentworth's Algebra* from the beginning to Arithmetical Progression.

The Freshman Class complete the Geometry ; they study Mensuration and Plane Trigonometry, using *Docharty's Treatise* as a text-book, and higher Algebra, including the theory of Logarithms from *Loomis' Treatise*; and are practiced in logarithmic computation, using *Compton's Manual*.

In the first term the Sophomore Class go through *Docharty's Spherical Trigonometry, Surveying and Navigation*, and in the second term, *Peck's Analytical Geometry*, embracing the Geometry of Three Dimensions as far as Surfaces of Revolution.

Mathematics is not obligatory upon Classical students beyond the Sophomore year ; but such as may elect to pursue the study join the students of the Scientific and Mechanical Courses in the study of Calculus, which is the work of the Junior year. *Peck's Treatise* is used as a text-book, and is completed as far as the Applications to Mechanics and Astronomy.

APPLIED MATHEMATICS.

In the Scientific Course, the studies of Pure and Applied Mathematics afford the student such intellectual training and such knowledge of Mathematics, Mathematical Physics, Mechanics and Astronomy as to materially lessen the time that will be required for the study of a specialty in any of the schools of civil, mechanical or mining engineering. A graduate of good standing in the Scientific or the Mechanical Course will be able to master in two years, or less, the studies usually pursued in such schools.

In the Scientific and Mechanical Courses, in the Junior year, while the student is acquiring, in the department of Pure Mathematics, the knowledge of the Calculus necessary for the study of Analytical Mechanics, he attends recitations and lectures on Acoustics and Optics, only such elementary mechanical principles being taught as are necessary to the understanding of those subjects. Near the end of the Junior year the study of *Bartlett's Analytical Mechanics* is commenced, and it is continued during

the first term of the Senior year. Much additional matter is given in the way of illustrations and problems applying the principles taught to practical ends. In the second term of the Senior year the subject taught is Spherical Astronomy. The endeavor is made to show how the science has grown up, how its discoveries have been made, how it explains the phenomena of the heavens, to teach the general principles of the adjustment and use of instruments, and the methods of making and recording observations, and the applications of Astronomy to the uses of the surveyor and the navigator.

While the studies just described are common to the Scientific and the Mechanical Courses, in the latter, further application is made of the principles of mechanics, to the study of the forms and functions of the parts of engines, the theory of prime movers, and the construction, testing and management of engines.

The scope of the instruction in the Classical Course is less extended. All that is sought is to give a general idea of the principles of Mechanics, Acoustics, Optics and Astronomy, with very little Mathematical Analysis. Of the four hours per week allotted, in the Junior year to this department, generally about three are given to lectures and one to recitations.

The Post-Graduate course in Civil Engineering extends over a period of two years, and is open to students of special excellence in the Scientific and Mechanical Courses. It embraces a thorough course in the principles of engineering construction, the strength of materials, the theory of roofs and bridges, the operations of surveying, the adjustment and use of instruments, topographical drawing and engineering, and the preparation of plans, specifications and estimates. The students are exercised in field-work, partly under the direction of the Professor and partly in connection, as volunteer assistants, with engineering works which may be in progress in the vicinity.

CHEMISTRY AND PHYSICS.

The instruction in Chemistry is divided into an elementary and advanced grade.

The first is open to the students of the Sophomore Class and

of the third year of the Mechanical Course. Two hours a week are spent in the large Laboratory recently erected. *Clowes' Practical Chemistry* is the text-book followed, and the students are provided with all the necessary apparatus to perform the experiments described. Manipulation of the gases is succeeded by a complete course in qualitative analysis.

The advanced grade is for the students of the Senior Class and of the fifth year of the Mechanical Course. Three hours a week are given to the study, one lecture on General Chemistry, and two hours in the Laboratory. *Bloxam's* is used as a text-book of Chemistry, while *Clowes' Practical Chemistry* serves to complete the study of qualitative analysis. The laboratory instruction follows a specially prepared synopsis, arranged by the instructors in the Department. Through the study of Chemical Physics described below, the students of the advanced Chemical course are enabled to make use of apparatus essential to the thorough study of General Chemistry. In addition to the problems in qualitative analysis and chemical physics, the advanced grade provides for instruction in the outlines of Applied Chemistry, and of volumetric and quantitative analysis.

The equipment of the Laboratory is very complete, and its arrangement and that of the desks offer many facilities. The Lecture-room, which adjoins the Laboratory, is provided with all the necessary conveniences for lecture illustration. There is an extensive collection of the most important chemical elements, and their compounds; also a collection of the ores and other natural specimens illustrating the chief forms in which the elements occur. Both these collections receive constant additions. The College now owns one of the most extensive and valuable sets of charts in the country, made by draughtsmen specially employed. The Preparation Laboratory contains a collection of numerous chemical products, forming a Museum of Manufactures.

The subjects of Heat, Light and Electricity, and such other parts of Physics as have a direct bearing on Chemistry, are also taught in this department.

Two lectures are given each week on general experimental physics to the students of the Sub-Freshman Class. These lec-

tures are very fully illustrated by experiments and charts. The students are required to take notes, and are marked upon the correctness and fullness of the same. *Cooley's Physics* is given as a text-book for home study. Many simple experiments, capable of repetition at home, are presented, and the advice given to the students to construct apparatus and make experiments is found to be followed in many instances.

The students of the Junior Class and of the fourth year of the Mechanical course listen to one lecture a week, and have one hour in the Laboratory devoted to study of themes bearing either upon the generation of the forces of nature, or of those closely allied to the thorough comprehension of Chemical Physics.

The Cabinet of Physical Apparatus is now well provided with instruments, having received large additions during the past three years. A special Laboratory for the manipulation of the apparatus adjoins the one used for Chemistry. Besides this, there is a Balance-room, which contains some fine instruments. A Dark-room serves for demonstration in the use of the Spectroscope and Polariscopic and in Photography. There is also a Photo-metric room. The Photometer is arranged for the comparison of two gases as well as for the determination of the candle-power of one. The College dynamo-machines, four in number, supply the electric currents necessary for experimentation and lantern projection.

Pynchon's Chemical Physics and *Fisk's Electrical Engineering* are used as the text-books for the advanced grade. Notes must be taken of the lectures, and also of the experiments performed in the Laboratory, and reports from these submitted.

NATURAL HISTORY.

The arrangement of the studies in this department is as follows :

SUB-FRESHMAN—	{ Botany. Anatomy. }	Two hours per week.	Text-book (<i>Kellerman</i>) and Lectures.
FRESHMAN—	Zoölogy.	Two hours per week.	Text-book (<i>Orton</i>) and Lectures.
JUNIOR—	Anthropology.	One hour per week.	Lectures.
SENIOR—	{ Mineralogy, Palaeontology, Geology. }	One hour per week.	Text-book (<i>Dana</i>) and Lectures.

As the object of the instruction is to teach the students to observe carefully, to record accurately—to know the thing *itself*—the class-room work is made, as far as possible, practical.

The course is essentially a *biological* one. The general relations of the inorgane and organic worlds, the phenomena of life, and the structure and life-history of typical plants and animals are taught.

A good museum furnishes a great part of the material needed for illustration and study. Mounted specimens, photographs and dissections prepared in the College are being constantly added.

MUSEUM OF NATURAL HISTORY.

The collections contain 7,500 specimens: 550 of plants, 750 of vertebrata, 2,100 of invertebrata, 2,000 of minerals, and 2,100 of minerals, rocks and fossils.

A number of geological and mineralogical specimens have been added to the collection during the past year, and many objects for instruction in the Collegiate and Commercial Courses. For these the necessary case-room has been provided.

In addition to the material purchased by the College, the following gifts have been made:

- | | |
|---|--------------------------------------|
| 1. Birds' Eggs (Collection of), . . . | Mr. Bashford Dean. |
| 2. Brush-making Materials, . . . | Messrs. F. W. Devoe & Co. |
| 3. Conchological Specimens, . . . | Smithsonian Institute. |
| 4. " " | Mr. Townsend Harris. |
| 5. Corals of Florida (Collection of), | Lieut.-Col. Walter McFarland, U.S.A. |
| 6. Craniological Specimens, . . . | Smithsonian Institute. |
| 7. Entomological Collection, . . . | Mr. Bashford Dean. |
| 8. Grain (Specimens of), | New York Produce Exchange. |
| 9. Leathers (Fancy), | Messrs. Tiffany & Co. |
| 10. Linens, Silks, Furs, Cottons, . . | " E. J. Denning & Co. |
| 11. Miscellaneous Textile Fabrics, . . | " Claflin & Co. |
| 12. Unios of the United States, . . . | Dr. Isaac Lea, Philadelphia. |
| 13. Vegetable Fibers, | Mr. J. H. Hollis, Cotton Exchange. |
| 14. Woods (Foreign and Fancy), . . | Messrs. J. L. Daniels & Co. |
| 15. Woolen Fabrics, | " Arnold, Constable & Co. |
| 16. Wools, | " Mangers & Avery. |
| 17. Fossils of S. Carolina (Collection of), | Mr. Wm. T. Rodenbach. |
| 18. S. American Woods (60 Specimens), | Messrs. T. D. & L. Hirsch. |
| 19. Fossils and Reptiles, | Professor S. Woolf. |
| 20. Birds of State of N. Y. (100 Spec.), | Mr. Louis A. Zeraga. |
| 21. Wading Birds (25 Specimens), . . | { Mr. W. H. Chesebrough. |
| Game Fishes of Florida, | |
| 22. Butterflies and Moths (500 Spec.), | Mr. H. J. Müller. |
| 23. Set of Whaling Harpoons (11 Spec.), | Mr. Bashford Dean. |
| 24. Fishes (500 Spec.), largely South American, | { Commissioner E. G. Blackford. |

DESCRIPTIVE GEOMETRY AND DRAWING.

The Sub-Freshman Class is practiced in drawing in outline from the flat and the round; in surface shading in crayon or pencil, and in elementary perspective. The students draw geometrical forms, architectural and other ornaments of various styles, and the human head.

The Freshman Class is instructed in Descriptive Geometry. No text-book is used; but the professor's *Elements of Descriptive Geometry* is used as a book of reference. The instructor lectures and demonstrates at the blackboard; each student solves every problem graphically in his drawing-book. The subject is carried through Sections and Intersections, Tangency and Development, and is applied to carpentry, machinery and architecture. Practice in tinting and in drawing from actual models of machinery is given from time to time. In the second term, the subjects pursued are Shades and Shadows, and Perspective. Shadows are determined in artificial and natural light; the principles of reflection are taught. Application is made occasionally to mechanical, architectural and artistic drawing.

In the Sophomore year, the students draw from the Cast, either ornaments or organic forms, according to individual ability; they shade in charcoal, crayon, etc.

The professor delivers to the Senior Class a series of lectures on *Æsthetics*, and the History of Art and the several arts.

The casts belonging to this department are very fine, most of them having been taken from early molds. The collection contains many beautiful examples of the Phidian era, the most notable being a large number from the Frieze of the Parthenon, and a few of the best-preserved metopes; the heroic statues of Theseus and Cephisus, a caryatid from the Erechtheion. These copies of the Elgin Marbles were given by Charles M. Leupp, Esq. There are, furthermore, the busts of Jupiter from Otricoli, the Venus of Milo, the Venus of Arles, Juno, the Apollo Belvedere, the Belvedere Torso, and examples of the work of Michael Angelo, Cellini and Thorwaldsen.

This department also makes use of a collection of about 275 photographs, the gift of the class of '75, framed and hung in the

halls of the College, illustrating the architecture and sculpture of the Greeks and Romans, early Christian and Renaissance painting in Italy, and a number of the most noted buildings of all European countries. Each print is marked with the name, the date of production and the present location of the subject represented. East Indian architecture is likewise illustrated by a number of photographs lately purchased by the College.

THE LIBRARY.

The Library of the College contains 25,595 volumes. These are distributed as follows :

Philosophy,	1,157	Greek Literature,	638
Theology,	929	Roman "	716
Mathematics,	398	French "	699
Science,	3,140	Spanish and Italian Literature,	283
History,	5,190	German Literature,	936
Biography,	1,598	Philology and Linguistics,	761
Voyages,	1,192	Works of Reference,	590
Art,	860	Bibliography,	179
Law,	385		
English Literature,	3,048	Total,	25,595
Periodicals,	2,896		

Books may be taken from the library by the students as well as the instructors ; by the Alumni upon a deposit of ten dollars ; and by the teachers of the common schools of the city.

The books have been purchased with the money apportioned to the College, while known as the Free Academy, as its share of the Literature Fund of the State ; from the income of \$5,000 bequeathed by Mr. Ephraim Holbrook ; from the income of \$30,000 bequeathed by Mr. Seth M. Grosvenor ; and with money which has at various times been appropriated by the Board of Trustees. Many books have been presented by publishers and others.

THE WORKSHOP.

Connected with the College is a workshop in which instruction is given in mechanical manipulation and the elements of mechanical theory. The shop is a room 118 feet by 35 feet, divided into four nearly equal parts. Of these the first, the wood-working room, contains fifteen double benches, with closets and tools, for

a class of thirty. The second, for forge and vise-work, contains six forges, twenty anvils, two benches with fifteen vises, a bench for molding, and an assortment of forge and vise-tools. It has accommodation for a class of thirty pupils. The third, or lathe-room, contains twenty-six speed-lathes for wood and metal-turning, four engine-lathes, a planer, a circular-saw, and two testing-machines, affording, like the others, accomodation for thirty students. The fourth contains a horizontal steam-engine of twenty-five horse-power, which drives the lathes and grind-stones, as well as the dynamos which furnish electric currents for experimental purposes and for the illumination of the shops. There is also, in an adjoining room, a gas-engine of eight horse-power to take the place of the steam-engine when less power is required, and also a small vertical steam-engine, so arranged that it may be taken apart by students to allow of the study of its construction.

The Course of Study in the Workshop extends over the whole five years of the Mechanical Course, and over such portion of this time as may be found practicable for those students of the other courses who may elect it. For the complete course, the exercises and studies in the shop are as follows :

First Year—Theory and use of wood-working tools ; properties, defects, treatment and preservation of timbers ; use of testing-machine in the testing of timber.

Second Year—Theory and use of metal-working tools ; properties of metals and modes of working and testing them.

Third Year—Joining metals by riveting, soldering and brazing ; use of the speed-lathe ; study of the parts of the steam-engine from drawings, models, descriptions and examination of engine.

Fourth Year—Use of the engine-lathe ; screw-cutting, boring, turning, facing ; measures of precision ; scraping, finishing and fitting.

Fifth Year—Strength of materials ; proportioning of parts of engines ; managing and testing of engines.

DISCIPLINE.

Every student is expected to give serious attention to the work of the College, and to allow his fellows to do the same ; not to

disturb the order and quiet necessary in the class-room, nor to do anything derogatory to the dignity of an institution of learning. Violations of the rules of the College and of propriety are visited with punishment, which varies according to the gravity of the offense, from demerit marks and formal admonition to suspension by direction of the President, and dismission by vote of the Faculty. No student is demerited without receiving notice of the fact and the reason. A student who has received 100 demerit-marks in one term, or 175 in one academic year, must leave the College.

EXAMNIATIONS.

There are two examinations of all the students in all departments each year. The first is held at the close of the first term in January. It extends over a fortnight, and is really a rapid review of the studies of the term. It is conducted by means of oral recitations, and in accordance with the scheme of recitations pursued during the term. The difference lies mainly in the greater length of the daily lessons and the omission of explanations on the part of the instructor. If, upon the termination of this review, it appears to the Faculty that a student has fallen so far behind as to make it unprofitable for him to attempt to proceed, or to make him a drag upon his class, he is not allowed to continue with it. The second examination is held at the close of the second term, in June; it extends over eight working days. It is conducted mainly in writing, so that all the students in the class are tested at the same time and by the same tests. The results of the examination are carefully considered by the Faculty. Those students who have done but indifferently in all or many of the studies, and those also who are seriously deficient in several, and it may be in only one, are not advanced. They may, if their parents desire it, devote another year to the same division of the course; but no student is allowed to go over the same grade more than twice.

ALLOWANCE OF MARKS.

1. No student who is absent from any College exercise during the term, except as stated in Rule 3, shall receive any mark for the same, until he has given to the President a sufficient explanation

of his absence, and to the Professor satisfactory evidence, *within one week after such absence*, of having performed the duty assigned for the time of his absence.

2. No marks shall be allowed for absence more than twice in any one term, nor for more than five consecutive days of absence in one term, except on a vote of the Faculty in each case.

3. For one day's absence in each term the President may, at his discretion, direct that a student shall be allowed his average mark for the fortnight in which such absence occurred.

4. In the Examination Review, marks may be allowed for absence of two days, and no more, if the student pass an examination in the work of the days of his absence.

5. A student absent from the Examination for Advancement, for good cause, may be examined subsequently for the purpose of determining whether he shall be advanced or not. But no mark shall be given for such examination. At the close of the student's course, however, the Faculty may, on his application, allow for the examinations from which he was absent the average mark of the student in all the examinations in the same department.

MERIT ROLL.

The Merit Roll is made up immediately after the second examination, and is published once a year. On this roll each student is ranked according to his standing in his class, determined by his merit-marks received for study and conduct during the two terms and at the examinations.

The Merit Roll maximum for each term in any subject is ascertained by multiplying the number of recitations in a week in that subject by one hundred; one-half of this maximum is for the term work, and one-half for the examination.

The maximum of conduct for a term is two hundred, and the conduct-mark of each student is determined by deducting from such maximum all his demerit-marks.

On the Merit Roll the students are classified as Highest, High, Good and Low.

The student who has the greatest number of marks in his class ranks Highest.

Students rank High the total of whose marks, in study and conduct together, equals or exceeds eight-tenths of the maximum.

Students rank Good the total of whose marks equals or exceeds six-tenths of the maximum.

The remaining students rank Low.

A copy of the Merit Roll is sent to the parent or guardian of each student.

COMMENCEMENT.

The Commencement of the College is held on the fortieth Thursday after the opening of the Fall Term.

COMMENCEMENT HONORS.

1. Not more than six orations and dissertations shall be delivered by the students at Commencement.
2. No oration or dissertation shall occupy more than ten or less than seven minutes in its proper delivery.
3. The orators at Commencement shall be the first six members of the Graduating Class in rank, counting from the beginning of the Freshman year to the close of the Senior year.
4. The Valedictory oration shall be the first honor, and the Salutatory shall be the second ; the remaining honorary orations shall be numbered according to the rank of the students.
5. If any of these Honor-men, except the Valedictorian and the Salutatorian, have not received eight-tenths in Oratory (Composition and Delivery) during the Senior year, their names shall be entered on the programme, marked Excused, and suitable substitutes, in order of rank, shall be appointed.
6. When the student below the sixth rank is thus appointed, his oration shall be entered on the programme as a dissertation. The dissertations shall be numbered according to the rank of the students appointed to deliver them.

MEDALS AND PRIZES.

THE PELL MEDALS.

In 1849, Duncan C. Pell, Esq., by the gift of \$500, established a gold medal, to be awarded annually to the student who shall rank highest in all the studies of the year taken together; and in 1856, the donor authorized the trustees of the fund to devote a portion of the income to the provision of a silver medal, to be given to the student who shall rank second.

Trustees of the Fund :

THE CHAIRMAN OF THE BOARD OF TRUSTEES OF THE COLLEGE.

THE PRESIDENT OF THE COLLEGE. THE HON. ABRAM S. HEWITT.

THE CROMWELL MEDALS.

In 1850, Charles T. Cromwell, Esq., by the gift of \$500, established a gold medal, to be awarded annually to the best scholar in History and Belles-Lettres; and in 1856, the donor authorized the provision of a silver medal for the second scholar.

Trustees of the Fund :

THE PRESIDENT OF THE COLLEGE.

THE PROFESSOR OF HISTORY.

THE HON. STUYVESANT FISH.

THE WARD MEDALS.

In 1853, Augustus H. Ward, Esq., established twenty bronze medals to be awarded annually, each for one of the studies appointed, to the student of most proficiency therein, provided he shall have regularly pursued such study for not less than two months of the collegiate year then closing; a student gaining one medal not to be precluded from obtaining others at the same time or subsequently.

The subjects are : Chemistry, Natural History, Natural Philosophy, Philosophy, Political Science, English, Greek, Latin, French, Spanish, German, Oratory, Composition, Logic, Astronomy, History, Drawing, Algebra and Geometry, Descriptive Geometry, Hygiene.

Trustees of the Fund :

THE EXECUTIVE COMMITTEE OF THE BOARD OF TRUSTEES.

THE RIGGS MEDALS.

In 1864, Elisha Riggs, Esq., by the gift of \$1,000, established a gold medal, to be annually awarded to the author of the best English Prose Composition in the Senior Class, and a gold medal to be awarded to the author of the best English Prose Composition in the Junior Class ; any surplus of income to be applied by the trustees to further, in any way they may think best, the design of the donor to stimulate the cultivation of English Composition in the College of the City of New York. The competition is open to all who have received not less than four-fifths of the maximum in English Composition from the beginning of the Junior year. The names of the competitors must be handed to the President on or before the second Monday in February. The essays must be handed in on the first Monday in June.

Trustees of the Fund :

THE PRESIDENT OF THE COLLEGE.

THE PROFESSOR OF HISTORY.

THE PROFESSOR OF THE ENGLISH LANGUAGE AND LITERATURE.

THE CLAFLIN MEDALS.

In 1871, John Claflin, Esq., by the gift of \$1,250, established two gold and two silver medals, to be awarded as follows :

A gold medal to the student of the Senior Class who shall pass the best competitive examination in Greek ; a gold medal to the

student of the Junior Class who shall pass the best competitive examination in Latin; a silver medal to the student of the Freshman Class concerning whom the Professor of Greek shall certify that he has made the greatest proficiency in that department; and a silver medal to that student of the Freshman Class who shall receive a corresponding certificate from the Professor of Latin.

Trustees of the Fund:

THE PRESIDENT OF THE COLLEGE.

JAMES P. LOWREY, Esq.

EUSTACE W. FISHER, M.D.

PRIIZES FOR DECLAMATION.

PROSE.

In 1852, the President of the Board of Education offered a prize for excellence in public speaking, to be called the PRIZE OF THE PRESIDENT OF THE BOARD OF EDUCATION; and the successive Presidents of the Board have continued it.

The six speakers contending for this prize are chosen by their classmates, two from each of the three higher classes. Only such students are eligible as have not received fifty demerit-marks during the first term, or twenty-five during the second term preceding the day of the election. They speak selected pieces. The prize is awarded by a committee of gentlemen having no relation to the College, and selected by the donor.

POETRY.

Since 1855, a gentleman of this city has offered a "Prize to the best Declaimer of a Selected Poem," the competitors to be selected, one from each of the three higher classes, by the students of said classes respectively; the declamations to be delivered at the same time as the prose declamations, and the award to be made by the committee selected to confer the prize in prose speaking.

The Prize Speaking is usually held on the Monday preceding Commencement. The successful Riggs essayists read their essays on the same occasion.

THE KELLY PRIZES.

In 1868, James Kelly, Esq., by the gift of \$1,000, established two prizes. One prize is given to the best debater in the Literary Societies; three contestants being chosen by the Clonian Society, and three by the Phrenocosmian. The President of the Board of Trustees selects the subject and submits it to the Faculty for approval. The debate is held in the College Chapel during the week preceding Commencement.

The other prize is given to the member of either society who shall write the best critique on some work of English literature. The subject is announced before the Christmas vacation, and the essays must be handed in on the first Monday in June.

The judges of the debate are selected by the President of the Board of Trustees; the judges of the essays are the President of the College, the Professor of History and the Professor of the English Language and Literature.

Trustees of the Fund:

THE BOARD OF TRUSTEES OF THE COLLEGE.

THE BELDEN PRIZES.

In 1883, William Belden, Esq., by the gift of \$1,000, established prizes for excellence in Pure Mathematics. The nature of the prizes and the terms of their award are to be determined from time to time by the President of the College and the Professor of Pure Mathematics.

At present the following prizes are to be awarded annually on Commencement Day, in the Junior and Sophomore Classes :

1. A gold medal to the student in each class of greatest proficiency in the studies of the department during the year. This greatest proficiency is to be determined either from the marks for recitations and on examinations, or by a special competitive examination, as may in each case seem best to the trustees.

2. A silver medal to any other student, in either class, whose

aggregate marks for recitations and on examinations shall reach ninety-five per cent. of the maximum.

Trustees of the Fund:

THE PRESIDENT OF THE COLLEGE.

THE PROFESSOR OF PURE MATHEMATICS.

THE F. W. DEVOE & CO. PRIZES.

In 1885, Messrs. F. W. Devoe & Co. offered two prizes, each to consist of a set of drawing instruments of the value of twenty-five dollars, for proficiency in the Mechanical Arts. They are to be awarded by a Committee, consisting of the President of the College, the Chairman of the Executive Committee of the Board of Trustees, and the Professor of Applied Mathematics, to the student of greatest merit in the first and second years respectively, of the Workshop course. Students of the Classical and Scientific courses, as well as students of the Mechanical course, may compete. The merits of the competitors are to be judged by the excellence and quickness of their work, and by the improvement made by them during the year.

CLASSICAL SCHOLARSHIP.

This College being, through the action of its officers and Alumni, associated with the following universities and colleges, viz.: Amherst, Brown, Columbia, Harvard, Johns Hopkins, Princeton, Wesleyan, and Yale, in support of the American School of Classical Studies at Athens, the School is open to any properly qualified graduate of this College. Those desiring to avail themselves of this privilege should apply to the Professor of Greek for information and a certificate of scholarship.

DEGREES.

The degree of *Bachelor of Arts* is conferred on those students who have completed the Classical course; that of *Bachelor*

of Sciences on those who have completed the Scientific and Mechanical courses.

The Faculty recommends no student for a degree whose average standing in the studies of the Senior year has fallen below six-tenths of the maximum. Every member of the graduating class is required to write a composition for oral delivery, to be sent in four weeks before Commencement.

A Bachelor of Arts or of Sciences may be recommended for the degree of Master of Arts or of Sciences on the following conditions:

1. He shall, at the date of the Commencement at which the degree is to be conferred, have been graduated at least three years.

2. He shall have been engaged for at least two years in the study of some literary or scientific subject, and shall furnish, as evidence of such study, either the diploma of the college or school which he has attended, or a detailed statement of the subjects and books which he has studied.

3. He shall present to the Faculty, at least six weeks before the Commencement, a thesis, satisfactory both in matter and style, on some subject connected with his studies, accompanied by a declaration that such thesis is his own work.

THE ASSOCIATE ALUMNI.

The College has graduated in thirty-seven classes, from 1853 to 1889, 1,348 men, of whom 1,192 are living. These are associated under the name of "The Associate Alumni of the College of the City of New York." The annual meeting is held on the day after Commencement, at the College building. The officers for the present year are:

<i>President,</i>	.	.	.	.	.	RICHARD ROGERS BOWKER, '68.
<i>1st Vice-President,</i>	.	.	.	.	.	HENRY SNYDER CARR, '66.
<i>2d Vice-President,</i>	.	.	.	.	.	JOHN BACH McMaster, '72.
<i>Secretary,</i>	.	.	.	.	.	RICHARD LELAND SWEENEY, '74.
<i>Treasurer,</i>	.	.	.	.	.	FERDINAND SHACK, '74.
<i>Historian,</i>	.	.	.	.	.	JOHN SHERMAN BATTELL, '73.

STUDENTS' AID FUND.

In 1857, the Associate Alumni established a fund for the purpose of assisting such students as might otherwise find difficulty in completing their collegiate course. This fund is maintained by contributions from the Alumni. The management of the fund is committed to five trustees, who loan, without interest, such sums as they think proper to deserving students; and neither the names of those to whom the loans are made, nor the amounts of the loans, are known to any but the trustees and the auditors of the fund.

The following are the present trustees, to whom application may be made:

CHARLES L. HOLT,	. . . . .	188 Front Street.
EVERETT P. WHEELER,	. . . . .	120 Broadway.
JOHN R. SIM,	. . . . .	At the College.
JOHN HARDY,	. . . . .	265 Broadway.
ALFRED G. COMPTON,	. . . . .	At the College.

LITERARY SOCIETIES.

Two Literary Societies, the Clonian and the Phrenocosmian, are connected with the College. They are devoted to the cultivation of the arts of composition, oratory and debate, and the promotion of friendly intercourse between students.

Weekly meetings are held during the collegiate year. The exercises consist of the reading of an essay and a selection, the delivery of a declamation or an oration, and the debate of a question previously appointed. A magazine is also read at intervals, to which the members contribute, anonymously, articles of a lighter nature than the essays. The Clonian library, containing many valuable books, and the Phrenocosmian reading-room, where may be found the leading magazines and periodicals of the day, are in two of the side-rooms of the Chapel, and are open to the members every afternoon of the College week.

COMMENCEMENT.

JUNE 20, 1889.

The following award of Medals and Prizes was made according to the terms and conditions heretofore mentioned :

THE PELL MEDALS.

First, Gold,	FREDERICK MALLING PEDERSEN,	Senior.
Second, Silver,	PAUL L. SAUREL,	Junior.
Third, Silver,	BURTON C. MEIGHAN,	Junior.

Silver medal to JULIUS PRINCE, of the Senior Class.

THE CROMWELL MEDALS.

SOPHOMORE CLASS.

First, Gold,	HERBERT POWELL LEE.
Second, Silver,	HOWARD S. MEIGHAN.
Third, Silver,	SAMUEL FRIEDWALD.

A certificate of equal merit with SAMUEL FRIEDWALD, to LOUIS E. VAN NORMAN.

THE WARD MEDALS.

Chemistry,	FREDERICK MALLING PEDERSEN,	Senior.
Natural History,	FREDERICK MALLING PEDERSEN,	Senior.
Natural Philosophy,	JULIUS PRINCE,	Senior.
Logic,	HOWARD S. MEIGHAN,	Sophomore.
Political Science,	PAUL L. SAUREL,	Junior.
English,	{ PAUL L. SAUREL, } { OTTO T. LOUIS, }	Junior.
Greek,	JULIUS MORGENSTERN,	Senior.
Latin,	LIVINGSTON SCHUYLER,	Senior.
French,	CARL THEOBALD,	Sophomore.
Spanish,	GANO SILLECK DUNN,	Senior.
German,	PAUL L. SAUREL,	Junior.
Oratory,	JAMES J. K. HACKETT,	Sophomore.
Composition,	{ FREDERICK MALLING PEDERSEN, } { LIVINGSTON SCHUYLER, }	Senior.
Moral Philosophy,	{ FREDERICK MALLING PEDERSEN, }	Senior.
Astronomy,	JULIUS PRINCE,	Senior.
History,	WILLIAM CARL,	Sophomore.
Drawing,	THADDEUS R. BEAL,	Sophomore.
Algebra and Geometry,	JOHANN CHAS. HENCKENDORFF,	Sub-Freshman.
Descriptive Geometry,	GEORGE EDWARD JENNINGS,	Freshman.
Botany,	GILMAN SHATTUCK STANTON,	Sub-Freshman.

Certificates of equal merit with their classmates who received the medals, were awarded as follows :

Logic,	SAMUEL FRIEDWALD,	Sophomore.
Spanish,	FREDERICK MALLING PEDERSEN,	Senior.
Astronomy,	GANO SILLECK DUNN,	Senior.
History,	CHARLES H. LINDROTH,	Sophomore.
Botany,	AUGUST P. BJRREGAARD,	Sub-Freshman.

THE RIGGS MEDALS.

SENIOR CLASS.

SUBJECT :—“The Political Results of the French Revolution.”

MONTAGUE LESSLER.

JUNIOR CLASS.

SUBJECT :—“The Distinctive Characteristics of our Government.”

MAX J. KOHLER.

THE CLAFLIN MEDALS.

SENIOR CLASS.—Greek.

JULIUS MORGENTERN.

JUNIOR CLASS.—Latin.

ARTHUR F. J. RÉMY.

FRESHMAN CLASS.

Greek,	STEPHEN SEYMORE WISE.
Latin,	STEPHEN SEYMORE WISE.

THE PRIZES OF THE PRESIDENT OF THE BOARD OF EDUCATION.

Prose Declamation,	OTTO IRVING WISE,	Sophomore.
Poetry Declamation,	JAMES J. K. HACKETT,	Sophomore.

THE KELLY PRIZES.

FOR THE BEST DEBATE. SUBJECT :—"That the success of Civil Service Reform in England and this country has been such as to insure the ultimate acceptance of the principles of this reform, as governing appointments to office under our Federal, State and City governments."

CHARLES F. HORNE, . Senior, . Of the Phrenocosmian Society.

FOR THE BEST CRITIQUE. SUBJECT :—Irving's "Life of Washington."

MAX J. KOHLER, . . . Junior, . . . Of the Clonian Society.

THE BELDEN MEDALS.

JUNIOR CLASS.

SOPHOMORE CLASS.

First, Gold,	SAMUEL FRIEDWALD.
Second, Silver,	LOUIS DREYFUSS, JR.
Third, Silver,	HOWARD S. MEIGHAN.
Fourth, Silver,	EMANUEL LIBMAN.

THE F. W. DEVOE PRIZES.

Wood-working,	FREDERICK J. FOSTER,	Sophomore.
Metal-working,	DOUGLAS KNOX,	Freshman.
Honorable mention with the above was made, in		
Wood-working,	TRUMAN S. HOLT,	Freshman.
Metal-working,	HARRY P. COCHRANE,	Freshman.

HONORS.

The Honors at Commencement were—

First (Valedictorian),	FREDERICK MALLING PEDERSEN.
Second (Salutatorian),	EZRA KETCHUM WATERBURY.
Third,	JULIUS PRINCE.
Fourth,	CHARLES FRANCIS HORNE.
Fifth,	LIVINGSTON SCHUYLER.
Sixth,	ARTHUR SMITH.
Seventh (Dissertation),	GANO SILLECK DUNN.

Honorable mention was made of GANO S. DUNN, STEPHEN T. CARTER and PHILIP GOLDSTEIN for having obtained over eighty-five per cent. of the maximum of marks from the beginning of the Freshman year to the end of the Senior year.

DEGREES CONFERRED.

BACHELOR OF ARTS.

ABRAHAM, WILLIAM,
ALSDORF, EDWARD G.,
BACHMANN, ISAAC,
BARUCH, BERNARD M.,
BERNSTEIN, SAUL,
CURRY, JOHN PINKERTON,
DUNLAP, JAMES JOHN,
FISHCHLOWITZ, GUSTAV G.,
FUENTES, VENTURA,
GOLDSTEIN, PHILIP,
GOLDSTEIN, SAMUEL,
HOCH, JOHN,
VAN PEEL, JOHN N.

KLETCHKA, JOHN JOSEPH,
LYDON, RICHARD P.,
MCBARRON, JOHN,
MCQUEENY, EDWARD CLEVELAND,
MERRITT, FOWLER,
MORGENSTERN, JULIUS,
ROSENBLEUTH, JACOB,
SCHLESINGER, ANTHONY,
SCHUYLER, LIVINGSTON,
SIMON, SOLOMON,
SMITH, JOHN J.,
SPRINGSTED, JAMES WILLIAM,

BACHELOR OF SCIENCES.

ALSHEIMER, JOSEPH J.,
BLAN, SAMUEL AUGUSTUS,
BRANDT, WILLIAM J.,
CARPENTIER, MARIUS A.,
CARTER, STEPHEN TALLMADGE,
COHN, SAMUEL,
CONSTANT, JOSEPH ANTHONY,
DUNN, GANO SILLECK,
HORNE, CHARLES F.,
JENKS, ELIJAH, JR.,
LAASE, CHRISTIAN F. J., JR.,
LESSLER, MONTAGUE,
WINGEBACH, JOSEPH FRANKLIN.

LUDWIG, HENRY, Jr.,
MOHR, WALTER MARTIN,
MORSE, LIVINGSTON BURRILL,
PEDERSEN, FREDERICK MALLING,
PRINCE, JULIUS,
REARDON, DENNIS JOSEPH,
ROTHSCHILD, LOUIS FRANK,
SCHEUER, MAURICE,
SCHWARZ, SAMPSON HENRY,
SMITH, ARTHUR,
WARNER, THEODORE ALFRED,
WATERBURY, EZRA KETCHUM,

The Degree of "Bachelor of Arts" was conferred on January 15th upon JOHN CAMPBELL, '88.

MASTER OF ARTS.

HENRY EVERIT BROWN, A.B., '82.
FREDERICK C. H. WENDEL, A.B., PH.D., '85.

MASTER OF SCIENCES.

PHILIP JAMES MOSENTHAL, A.B., Ph.D., '83.

CERTIFICATES OF PROFICIENCY IN CIVIL ENGINEERING.

GEORGE J. BISCHOF, B.S., '84. OSCAR ERLANDSEN, B.S., '84.

COLLEGIATE CALENDAR.

1889-1890.

1889.

Sept. 12. Thursday.—Commencement of First Term.

Nov. 5. Tuesday.—Election Day.

Nov. 28. Thursday.—Thanksgiving Day.

Dec. 25. Wednesday.—

1890.

Jan. 2. Thursday.—

} WINTER VACATION.

Jan. 10. Friday.—End of First Term.

Jan. 13. Monday.—Review Examination commences.

Jan. 24. Friday.—Review Examination ends.

Jan. 27. Monday.—Commencement of Second Term.

Feb. 22. Saturday.—Washington's Birthday.

April 4. Friday.—Good Friday.

April 26. Saturday.—
May 3. Saturday.—

} SPRING VACATION.

May 23. Friday.—End of Second Term.

May 26, 27, 28.—Examination for Admission.

May 29. Examination for Advancement.

May 30. Decoration Day.

June 2, 3, 4, 5, 6, 9.—Examination for Advancement.

June 13. Friday.—Kelly Debate.

June 16. Monday.—Prize Speaking.

June 19. Thursday.—Commencement.

June 20. Friday.—

Sept. 10. Wednesday.—

} SUMMER VACATION.

Sept. 11. Thursday.—Commencement of First Term.

BOARD OF TRUSTEES.

NAME.	RESIDENCE.	PLACE OF BUSINESS.
Agnew, Mrs. Mary N.,	266 Madison Avenue.	
Devoe, Fred'k W.,	Fordham.	
Dodge, Miss Grace H.,	262 Madison Avenue.	
Gallaway, Robert M.,	68 East 55th Street,	71 Broadway.
Guggenheimer, R.,	16 East 81st Street,	239 Broadway.
Holt, Charles L.,	117 West 130th Street,	188 Front Street.
Hunt, John L. N.,	207 West 59th Street.	
Kuhne, Frederick,	735 Madison Avenue.	
Moriarty, Thaddeus,	39 West 130th Street.	
O'Brien, Miles M.,	240 East 60th Street,	140 Church Street.
Peaslee, Edward H.,	29 Madison Avenue.	
Powell, Mrs. Sarah H.,	324 West 58th Street.	
Purdy, Samuel M.,	West Farms,	West Farms.
Sanger, Adolph L.,	50 East 63d Street.	
Schmitt, Henry,	29 Vandam Street,	229 Broadway.
Seligman, DeWitt J.,	328 West 58th Street,	36 Union Square.
Simmons, J. Edward,	28 West 52d Street.	
Sprague, Henry L.,	330 West 23d Street,	146 Broadway.
Traud, Ferdinand,	1371 Franklin Avenue.	
Vermilye, Jacob D.,	4 West 51st Street,	42 Wall Street.
Webb, Alexander S.,	15 Lexington Avenue,	College.
Webb, H. Walter,	15 West 47th Street,	Vanderbilt Avenue.

Arthur McMullin, Secretary ; Office, Hall of the Board of Education.

Edward E. Van Saun, Assistant Secretary ; Office, Hall of the Board of Education.

OFFICERS OF THE COLLEGE.

Baralt, Luis A.,	Instructor,	209 West 14th Street.
Cana, Robert W.,	Registrar,	241 Seventh Avenue.
Cherbuliez, David,	Tutor,	266 Willis Avenue.
Compton, Alfred G.,	Professor,	40 West 126th Street.
Constant, Stanislas C.,	Tutor,	950 Sixth Avenue.
Dean, Bashford,	Tutor,	15 Hawthorne Ave., Yonkers.
De Groat, James H.,	Assistant,	288 Summit Ave., Jersey City.
Doremus, Charles A.,	Tutor,	49 East 29th Street.
Doremus, R. Ogden,	Professor,	241 Madison Avenue.
Fabregou, Casimir,	Tutor,	111 West 130th Street.
Fennebresque, Louis,	Tutor,	72 East 113th Street.
Fox, William,	Tutor,	319 East 17th Street.
Friedburg, L. Heinrich,	Instructor,	72 East 83d Street.
Herbermann, Charles G.,	Professor,	223 West 25th Street.
Horne, Charles F.,	Tutor,	584 Washington Ave., B'klyn.
Houston, Robert,	Instructor,	1177 Third Avenue.
Hunt, Leigh H.,	Tutor,	Newtown, L. I.
Ilgen, Ernest,	Tutor,	369 Herkimer Street, Brooklyn.
Johnston, Henry P.,	Professor,	132 East 24th Street.
Kost, Henry G.,	Tutor,	164 East 70th Street.
Legras, Gustave,	Tutor,	931 Park Avenue.
McGuckin, William G.,	Tutor,	126 West 129th Street.
Mandel, John A.,	Assistant,	Astoria, L. I.
Mason, James Weir,	Professor,	32 West 129th Street.
Mayell, Henry,	Secretary,	Rutherford, N. J.
Mitchell, Harvey,	Instructor,	134 East 26th Street.
Morgenthau, Julius C.,	Tutor,	122 West 71st Street.
Mott, Lewis F.,	Tutor,	367 West 19th Street.
Mulqueen, Joseph F.,	Tutor,	49 East 78th Street.
Newcomb, George B.,	Professor,	256 West 57th Street.
O'Brien, Walter,	Tutor,	345 West 42d Street.
Parmly, Charles H.,	Tutor,	344 West 29th Street.
Perham, Frederic E.,	Tutor,	34 Fairview Street, Yonkers.
Petrasch, Carl Schurz,	Tutor,	71 West 55th Street.
Powell, H. Wheeler,	Tutor,	114 West 123d Street.
Roemer, Jean,	Professor,	19 East 44th Street.
Rupp, August,	Tutor,	347 East 83d Street.
Schuylar, Livingston,	Tutor,	311 East 86th Street.
Scott, David B.,	Professor,	112 West 122d Street.
Sheldon, Benjamin A.,	Tutor,	48 Morton Street, Brooklyn.
Sickels, Ivin,	Tutor,	353 New York Ave., J. C.
Sim, John R.,	Tutor,	New Rochelle, N. Y.
Smith, Calvin R.,	Tutor,	58 West 57th Street.
Stratford, William,	Professor,	245 West 52d Street.
Tisdall, Fitz Gerald,	Professor,	222 West 23d Street.
Webb, Alexander S.,	President,	15 Lexington Avenue.
Werner, Adolph,	Professor,	339 West 29th Street.
Woolf, Solomon,	Professor,	31 West 126th Street.
Bonney, Michael F.,	Janitor,	College Building.
Reed, James,	Engineer,	College Building.

STUDENTS.

SENIOR CLASS.

Abrahamson, Isador,	131 East 125th Street.
Alexander, Arthur A.,	163 West 97th Street.
Angell, Frank S.,	213 West 23d Street.
Baese, Lincoln,	
Bleil, Frederick,	106 Eldridge Street.
Boyrer, William C.,	669 East 138th Street.
Breitwieser, Leonard Lawrence,	74 7th Street.
Brickner, Edwin Solis,	812 Lexington Avenue.
Brodek, Chas. Adrian,	808 Lexington Avenue.
Brower, James C.,	144 West 16th Street.
Burke, Edmund,	62 Pike Street.
Cohn, Julius H.,	627 Third Avenue.
Duggan, Stephen Pierce,	341 East 23d Street.
Elsberg, Charles Albert,	114 East 58th Street.
Engel, Jacob,	168½ Attorney Street.
Fischlowitz, Abram,	297 Greenwich Street.
Fiteh, Albert Franklin,	64 East 86th Street.
Garritt, Albert Warner,	166 West 128th Street.
Halligan, Thomas,	236 7th Street.
Handy, Arthur W.,	131 West 32d Street.
Herrman, Charles,	27 West 115th Street.
Herskovitz, Herman, Jr.,	780 Second Avenue.
Hühner, Leon,	358 East 121st Street.
Jacobs, Alfred Moss,	403 Sixth Avenue.
Jacobsohn, William,	334 East 52d Street.
Kelby, Thomas,	60 St. Mark's Place.
Kelly, William Vincent, Jr.,	163 East 69th Street.
Kohler, Max James,	115 East 71st Street.
Louis, Otto T.,	112 Avenue A.
McBarron, Frank I.,	283 East Broadway.

Manheim, Louis L.,	268 East Broadway.
Meighan, Burton C.,	Riverdale.
Meyer, Henry H.,	134 Liberty Street.
Morris, Aaron,	55 Baxter Street.
Myers, John Hays, Jr.,	Clover Street, West Farms.
Nelson, Dean,	1139 Madison Avenue, cor. 85th Street.
Neuhoff, Selian,	56 Ludlow Street.
Parker, Ransom Joseph,	224 West 11th Street.
Patterson, Frederick Holden,	66 Lexington Avenue.
Prellwitz, Otto Emil,	304 East 23d Street.
Pyne, William Joseph,	336 Water Street.
Rainey, William,	234 West 39th Street.
Rauner, Charles,	323 East 42d Street.
Rémy, Alfred M.,	2516 Eighth Avenue.
Rémy, Arthur F. J.,	2516 Eighth Avenue.
Risk, Francis,	408 West 18th Street.
Roeser, John Edward,	240 West 130th Street.
Rogers, Clarence DeW.,	64 East 61st Street.
Roseno, Bernard S.,	345 Canal Street.
Rosenthal, Charles Edward,	166 Henry Street.
Saurel, Paul L.,	158 West 16th Street.
Schlesinger, Frank,	166 East 82d Street.
Schlesinger, Henry William,	120 Lewis Street.
Stock, Casper,	207 East 116th Street.
Stock, Henry, Jr.,	349 Seventh Avenue.
Stuart, William,	200 East 10th Street.
Taylor, David C.,	105th Street and Riverside Drive.
Veiller, Lawrence,	50 West 48th Street.
Walker, Geo. L.,	890 Grand Boulevard.
Weber, William E.,	16 Bayard Street.
Weiler, Charles H.,	106 East 60th Street.
Wiener, Joseph,	1003 Madison Avenue.
Wood, William T.,	39 Gramercy Park.
Yankauer, Sidney,	333 East 58th Street.
Zarnitz, George Henry,	326 Madison Street.

JUNIOR CLASS.

Altkrug, Louis Joseph,	106 East Broadway.
Berg, Albert,	245 7th Street.
Binion, Joshua,	158 East Broadway.
Bolton, William H.,	West Farms.
Buser, Hermann,	797 Eighth Avenue.
Cahn, David,	475 East Houston Street.
Carl, William,	313 West 39th Street.
Clearman, Wallis,	214 East 46th Street.

Cohn, Isadore,	91 East Broadway.
Dann, Nicholas,	59 Rivington Street.
Dodd, Charles G.,	418 West 22d Street.
Dreyfuss, Louis,	252 East Houston Street.
Ehrlich, Henry,	155 East 2d Street.
Elder, Robert,	337 East 68th Street.
Elsberg, Nathaniel A.,	114 East 58th Street.
Emley, Joseph Noble,	402 West 58th Street.
Foster, Frederick J.,	628 West 52d Street.
Freeman, Jacob,	359 East 49th Street.
Freund, Jacob M.,	49 East 91st Street.
Friedwald, Samuel,	158 East Broadway.
Frisbee, Harry D.,	1340 Fulton Avenue.
Gartensteig, Charles,	436 East 56th Street.
Geyer, Paul W.,	78 2d Street.
Greer, John G.,	Governor's Island.
Guiterman, Arthur,	335 West 58th Street.
Hackett, James J. K.,	107 East 35th Street.
Hamburg, David J.,	144 East 83d Street.
Hartnett, Eugene H.,	109 Macdougal Street.
Henschel, Joseph,	1139 Washington Avenue.
Hertz, Joseph H.,	143 Norfolk Street.
Hoffmann, Alfred L.,	187 Norfolk Street.
Huiell, John Mortimer,	286 Madison Street.
Kelly, Edwards H.,	322 East 87th Street.
Klingensteine, William,	248 East 60th Street.
Lee, Herbert Powell,	166th Street and Tinton Avenue.
Levy, Morris,	74 Henry Street.
Libman, Emanuel,	180 East 64th Street.
Lindroth, Charles H.,	347 East 9th Street.
Lippincott, Harold E.,	235 West 43d Street.
Ludvigh, Elek John,	101 Lexington Avenue.
Man, Louis,	538 5th Street.
Marx, Arthur,	106 East 30th Street.
Marx, Wolfe B.,	538 5th Street.
Meighan, Howard S.,	Riverdale.
Metzger, Nathan,	301 East 55th Street.
Meye", William Henry,	56 Madison Street.
Moss, Isaac,	263 West 36th Street.
Miller, Ira Abbott,	154 West 20th Street.
Necarsulmer, Harry,	109 East 70th Street.
Nelson, Henry Clay,	1139 Madison Avenue.
Newman, Henry,	93 Division Street.
Oakes, John C.,	423 West 21st Street.
Oakley, Charles Solomon,	327 West 30th Street.

Plump, Charles H.,	12 West 126th Street.
Reynolds, Frederick G.,	466 West 23d Street.
Rodman, Harry,	215 East Broadway.
Samuels, Robert V.,	143d Street and St. Ann's Avenue.
Scheuer, Louis,	951 Second Avenue.
Schneidler, Benjamin,	164 East 68th Street.
Schutz, William Aaron,	129 East 60th Street.
Scott, Frank,	47 Christopher Street.
Smith, Henry A.,	460 West 44th Street.
Smyth, Francis,	3 East 65th Street.
Steinach, William,	188 Second Avenue.
Stern, Philip H.,	156 East 72d Street.
Stroh, Frederick A.,	383 Sixth Avenue.
Stroock, Sol. M.,	173 East 95th Street.
Theobald, Carl,	542 East 11th Street.
Thumm, Carl F.,	101 East 123d Street.
Timmerman, Arthur H.,	305 East 53d Street.
Timmerman, Charles Edward,	305 East 53d Street.
Tobias, Leo,	321 East 52d Street.
Trafford, Forrest Rose,	40 East 26th Street.
Van Norman, Louis E.,	831 East 170th Street.
Victor, Frederick,	166 East 116th Street.
Wise, Otto Irving,	324 East 30th Street.
Wood, Sydney L.,	6 East 28th Street.
Woolf, Michael,	138th Street and Tenth Avenue.

SOPHOMORE CLASS.

Acken, Joseph B.,	345 West 48th Street.
Alexander, Edward A.,	147 East 62d Street.
Appleton, Floyd,	Sedgwick Park, Fordham Heights.
Baruch, H. Benjamin,	47 East 60th Street.
Bellinger, Charles,	764 Ninth Avenue.
Benedikt, V. M.,	123 East 83d Street.
Berger, William,	144 Forsyth Street.
Bernstein, Solomon Charles,	90 East Broadway.
Birnbaum, Jacob M.,	111 Ridge Street.
Bloch, Adolph,	522 East 82d Street.
Bogart, Robert A.,	111 West 133d Street.
Brückner, Arthur,	314 6th Street.
Bullowa, Ferdinand E. M.,	146 East 55th Street.
Byrne, George T. L.,	121 Crosby Street.
Campbell, Judson D.,	382 St. Nicholas Avenue.
Chapman, Robert F., Jr.,	167 East 116th Street.
Clermont, Louis Charles,	362 East 72d Street.
Coleman, John B.,	135 East 65th Street.

Cook, Alfred A.,	152 East 71st Street.
Cooke, Lee,	553 Manhattan Avenue.
Craft, Warren M.,	217 West 133d Street.
Dailey, Alfred Milner,	318 East 25th Street.
Dantes, Max,	1020 Third Avenue.
David, Harry Percy,	232 West 78th Street.
Doepp, Louis E.,	117 East 12th Street.
Earle, Thornton,	498 West 153d Street.
Elkus, Willie,	61 East 61st Street.
Feine, Morris,	92 Ludlow Street.
Fell, Horace R.,	230 East 50th Street.
Fernbach, Oscar Henry,	228 East 61st Street.
Finkelbrand, Moses,	80 Bayard Street.
Fintel, Ernest A. von,	184 East 75th Street.
Frank, Samuel,	745 5th Street.
Freedman, Lewis H.,	120 West 125th Street.
Ginsburg, Marks,	47 Canal Street.
Gloeckner, Louis J.,	427 East 85th Street.
Goebel, George C.,	235 7th Street.
Goldfrank, Harry P.,	20 East 81st Street.
Goldmark, Emil,	248 West 51st Street.
Goodhart, Laurence G.,	1148 Park Avenue.
Greenbaum, Jacob,	80 East 108th Street.
Haerting, Frederick John,	400 East 78th Street.
Haight, Samuel Carleton,	1266 Clover Street, West Farms.
Hall, Alfred B., Jr.,	718 East 139th Street.
Haller, Edwin A. F.,	124 West 28th Street.
Handy, Livingston G.,	131 West 32d Street.
Hargrave, Frederic C.,	169th Street and Mott Avenue.
Harrison, William Nelson,	368 West 32d Street.
Hellerson, W. E. Charles,	317 East 55th Street.
Henwood, Wm. Jory,	1293 Washington Avenue.
Hertz, Emanuel,	143 Norfolk Street.
Hibson, Charles,	212 East 27th Street.
Hillgrove, Thomas,	278 Alexander Avenue.
Holt, Truman Slayton,	168 West 54th Street.
Holzman,	
Honeck, Henry Conrad,	244 East 28th Street.
Houseworth, Louis,	208 7th Street.
Hühner, Max,	358 East 121st Street.
Jacobus, Theodore I.,	118 1st Street.
Jennings, George E.,	321 West 12th Street.
Joseph, Dudley D.,	48 East 75th Street.
Josephson, Isaac,	297 Delancey Street.
Kelly, Heatherington Bryan,	119 East 23d Street.

Kilbreth, James T., Jr.,	230 East 18th Street.
Knox, Arthur,	110 East 71st Street.
Lawrence, Charles A.,	516 East 12th Street.
Leeser, Abraham,	427 Hudson Street.
Levett, B. A.,	154 West 128th Street.
Levy, Meyer,	132 Henry Street.
Liebermann, William,	335 East 82d Street.
Loewy, George,	577 East 146th Street.
Lutz, Stephen H.,	65 7th Street.
McIntyre, John Gardiner,	34 West 18th Street.
McIntyre, Wilbur,	34 West 18th Street.
McNally, Edward J.,	1589 Second Avenue.
McNeill, Ernest, Jr.,	589 East 140th Street.
Martin, Jeremiah,	436 Lenox Avenue.
Mayer, Henry William,	843 Lexington Avenue.
Miller, James Calvin, Jr.,	227 West 52d Street.
Miller, James Leslie,	11 Chambers Street.
Mord, George,	30 Orchard Street.
Nathan, Alexander,	150 West 24th Street.
Natkins, Isaac,	418 West 40th Street.
Newell, Frank,	321 East 84th Street.
Ottinger, Nathan,	110 East 61st Street.
Payson, George Phillips,	13 West 125th Street.
Powers, Frank,	417 West 51st Street.
Reed, Philip M.,	206 Edgecombe Avenue.
Reubenstein, Raymond,	125 Division Street.
Richter, Charles,	1643 Madison Avenue.
Rieser, Max G.,	225 East 93d Street.
Riordan, Edward,	115 East 87th Street.
Roeser, Edward N.,	240 West 130th Street.
Rosenstein, Benjamin H.,	102 Bleecker Street.
Rosenzweig, Joseph,	249 East 110th Street.
Schulz, George M. S.,	101 East 119th Street.
Scouler, Ambrose Alfonse,	189 Tenth Avenue.
Shera, George William,	107 East 29th Street.
Silberstein, Solomon,	442 Lenox Avenue.
Smith, Mortimer A.,	148 East 86th Street.
Sobel, Jacob,	148 Henry Street.
Speranza, Gino Charles,	214 East 65th Street.
Stanton, Frederick Everett,	43 West 71st Street.
Stehl, George C.,	439 East 16th Street.
Steinberger, Victor.	442 East 88th Street.
Stratton, Alexander,	568 Mott Avenue.
Taylor, George H., Jr.,	821 East 138th Street.

Thorner, Maurice,	288 East Houston Street.
Weinhandler, Sampson Herbert,	319 East 17th Street.
Whitehorne, Fred. N.,	104 West 129th Street.
Wise, Stephen Seymour,	324 East 30th Street.
Wolbarst, Abraham L.,	187 Henry Street.

SOPHOMORE MECHANICAL.

Duncan, Richard J.,	339 East 37th Street.
Fanning, Hubert F.,	363 First Avenue.
Gennrich, Henry,	243 East 84th Street.
Humphrey, Henry A.,	926 Sixth Avenue.
Keil, William,	410 East 52d Street.
Kiefaber, Henry,	1654 First Avenue.
Kuhner, George A.,	1425 Washington Avenue.
Libaire, Edward W.,	150 West 49th Street.
Rosmaier, Max H.,	1293 First Avenue.
Schell, Montgomery R.,	365 West 23d Street.
Seufert, William M.,	515 East 152d Street.
Sigel, Franz, Jr.,	563 Mott Avenue.

FRESHMAN CLASS.

Adler, Richard Malcolm,	455 East 57th Street.
Alexander, Joseph Albert,	163 West 97th Street.
Ansbacher, Samuel,	1869 Madison Avenue.
Austin, Berkeley,	124 Lexington Avenue.
Baker, John Harold,	776 Second Avenue.
Ballin, Solomon,	86 East 111th Street.
Barny, Frederick J.,	835 Ninth Avenue.
Barrett, Sidney H.,	142 West 97th Street.
Barry, William Henry,	57 West 92d Street.
Baum, David Bennett,	167 East 82d Street.
Baynes, Ernest Harold,	Hunt's Point.
Beaubian, Charles S.,	115 West 41st Street.
Becker, Hubert,	322 East 79th Street.
Benoliel, Solomon,	116 West 35th Street.
Bjerregaard, August P.,	68 East 116th Street.
Black, Ira G.,	345 Fourth Avenue.
Bloomanson, Harris Julius,	244 East Broadway.
Blumenstieler, Edwin,	108 East 79th Street.
Bogert, Charles Walter,	35 West 12th Street.
Boyd, William Augustus, Jr.,	107 East 101st Street.
Boyle, Walter Graham,	370 West 31st Street.
Brenneman, Charles,	157 East 71st Street.
Brickner, Walter Max,	812 Lexington Avenue.
Briefner, Abel,	162 East 128th Street.

Brummer, Edward Justus,	318 East 55th Street.
Bueno, José Rollin de la Torre,	40 East 51st Street.
Bunnell, Walter L.,	317 West 136th Street.
Burnett, Henry Winans,	259 West 128th Street.
Butler Willis H.,	111 East 76th Street.
Butterfield, Arthur George,	338 West 38th Street.
Campbell, C. Joseph,	134 Henry Street.
Carew, J. Francis,	225 East 58th Street.
Carlsen, Frederick Charles Michael,	121 East 122d Street.
Childs, Frederick Augustus,	153 East 117th Street.
Clark, Frank Dayton,	608 East 136th Street.
Cochrane, Harry Purnell,	177 West 94th Street.
Cohen, Augustine,	98 Madison Street.
Cohen, Charles,	223 West 130th Street.
Cohen, Gussie,	98 Madison Street.
Cohen, Julius,	205 East Broadway.
Cohn, Solomon,	44 Bowery.
Cole, Charles F.,	592 East 141st Street.
Collins, Charles S.,	52 West 18th Street.
Connor, David J.,	977 Eighth Avenue.
Cook, John William,	113 East 113th Street.
Corbitt, William H.,	108 East 78th Street.
Crampton, Henry E.,	256 West 121st Street.
Crawford, William Fletcher,	62 East 123d Street.
Crooker, Frederick Foster,	124 East 59th Street.
Dalton, William Lawrence Aloysius,	393 8th Street.
Daly, W. Vincent,	188 Lexington Avenue.
Davis, David,	270 West 37th Street.
Davis, Frank J.,	423 West 49th Street.
Dennerlein, J. Jerome,	2442 Webster Avenue, Fordham.
De Pinna, Leo S.,	1328 Lexington Avenue.
Dieckmann, Fred. W., Jr.,	11 West 4th Street.
Donnellan, Thomas J.,	1322 Second Avenue.
Donohue, Thomas M.,	1240 Franklin Av. bet. 168th & 169th Sts.
Duckman, Moses,	227 Rivington Street.
Duer, Rush DeWitt,	41 East 29th Street.
Duncan, Arthur Mitchell,	305 West 20th Street.
Eckert, Louis,	210 East 70th Street.
Ehrhard, William Joselin,	315 East 29th Street.
Eisenberg, Louis Isaac,	120 Delancey Street.
Eising, Eugene Harold,	6 East 66th Street.
Eisman, H. Seymour,	124 East 74th Street.
Ellif, Joseph A.,	107 East 85th Street.
Emery, Dean,	1661 Washington Ave., Tremont.
Erdmann, William,	48 East 57th Street.

Ferber, Louis Henry,	319 East 72d Street.
Finn, John Jos.,	506 West 50th Street.
Fischer, Edwin Philip,	33 West 92d Street.
Fischer, Joseph,	356 West 16th Street.
Flynn, Harry Sidney Joseph,	309 West 48th Street.
Flynn, Joseph B.,	402 West 43d Street.
Foster, Mortimer Charles,	320 East 50th Street.
Fowler, Edmund Prince,	56 West 45th Street.
Frank, Alexander Theodore,	96 Second Avenue.
Frank, Jerome,	112 East 79th Street.
Franke, Paul,	127 West 122d Street.
Frankenstein, Arthur,	415 East 57th Street.
Frankenstein, Isaac,	175 East Broadway.
Friedmann, Hermann G.,	922 East 138th Street.
Gardiner, Sidney Frederick,	318 West 22d Street.
Gessler, Theodore Arthur,	117 East 82d Street.
Ginsburg, Leon B.,	310 East 116th Street.
Glasson, Samuel,	343 West 38th Street.
Glidden, Walter Seward,	200 West 83d Street.
Goebel, Charles John Andrew,	102 East 7th Street.
Goldbacher, Ernest,	109 West 131st Street.
Goldhammer, Adolph,	148 Suffolk Street.
Goldman, Julius L.,	113 East 61st Street.
Goldwater, John,	416 East 58th Street.
Graff, Horace Mordecai,	48 West 83d Street.
Green, Charles,	826 Lexington Avenue.
Greene, David Joy,	586 East 135th Street.
Grünenthal, Anthony Francis,	311 East 18th Street.
Guthrie, Bayard,	David's Island.
Haffner, Charles,	655 Water Street.
Haggerty, Joseph Thomas,	197 Henry Street.
Haines, Maurice Claude,	158th Street and Gerard Avenue.
Handy, Frederick Jackson,	131 West 32d Street.
Handy, Walter E.,	131 West 32d Street.
Haney, John Dearling,	1233 Third Avenue.
Harris, Arthur Clarence,	103 East 72d Street.
Harris, Max,	260 East 4th Street.
Hawkes, Roy Harlan,	108 East 86th Street.
Heimberger, Samuel Victor,	249 7th Street.
Hein, Harry,	56 East 79th Street.
Herrmann, Arnold,	18 East 60th Street.
Herzog, Joseph L.,	173 East 82d Street.
Herzog, Mendel,	166 East 66th Street.
Hesselbach, Charles Valentine,	93 Lexington Avenue.
Heuckendorff, Johan Charles,	201 East 50th Street.

Heylman, Harry Budelman,	561 Buckhout Street.
Hillebrandt, Oscar von,	191 Forsyth Street.
Holden, Edwin Chapin,	129 East 103d Street.
Hubbell, Charles Edward,	316 West 141st Street.
Humphries, Harry,	168 East 79th Street.
Hupfauf, Hermann Eugene,	162 East 79th Street.
Hyman, David Jacob,	54 Ridge Street.
Hyman, Solomon,	328 East 57th Street.
Iffrich, Joseph,	406 West 39th Street.
Jackson, Stephen H.,	53 East 67th Street.
Jacobus, Emanuel,	118 1st Street.
Jameson, John Butler, .	232 East 27th Street.
Jaques, Washington L.,	217 West 14th Street.
Johnston, Herbert McLeod,	131 West 56th Street.
Kahn, Jacob,	546 Grand Street.
Kahn, Otto Charles,	158 East 74th Street.
Kaminski, Nathan E.,	122 West 64th Street.
Katz, Maurice,	168 Henry Street.
Kempe, Ernest Hamilton,	199 West 99th Street.
Kilian, William George,	352 West 33d Street.
Kindervater, Robert,	415 West 36th Street.
Kinkeldey, Carl W.,	62 East 12th Street.
Kiralfy, Charles Imre,	39 West Washington Square.
Klein, William T.,	118 Spring Street.
Knowles, William Wells,	166 West 130th Street.
Knox, Douglas,	Fordham.
Kohler, Edgar J.,	115 East 71st Street.
Kohn, Milton S.,	129 East 94th Street.
Korn, Daniel,	154 East 66th Street.
Kornreich, Conrad P.,	93 Clinton Street.
Kosmak, George William,	234 East 49th Street.
Kreiger, C. J.,	17 Beach Street.
Kremer, Julius,	28 Suffolk Street.
Laase, William F.,	641 East 9th Street.
Lansingh, Van Rensselaer,	184th Street and Sedgwick Avenue.
Laubenheimer, Ernest,	417 East 51st Street.
Lawson, William Tilson,	233 West 38th Street.
Lazarus, Edward,	273 West 127th Street.
Lee, Walter Wright,	142 West 42d Street.
Lennon, John Frederick,	85 East 7th Street.
Leo, Arnold G.,	235 West 135th Street.
Levenson, Charles C.,	89 Henry Street.
Levin, Harry,	293 East 3d Street.
Levin, Louis Hyman,	7 Forsyth Street.
Levussove, Moses S.,	117 Avenue B.

Levy, Louis,	125 West 45th Street.
Lewi, Sidney C.,	312 West 33d Street.
Lewis, Milton,	41 East 64th Street.
Libbey, Allan Ogdens,	117 Waverly Place.
Lichtenstern, George Moritz,	720 East 144th Street.
Locke, Campbell Erie,	230 West 59th Street.
Logue, Harry Otis,	225 West 34th Street.
Lupprian, Charles A.,	1606 Third Avenue.
McCafferty, C. J.,	754 Park Avenue.
McLain, Weston F.,	24 Vandam Street.
MacMurray, Joseph Childs,	347 West 59th Street.
Maguire, Edward R.,	343 West 21st Street.
Marcus, Samuel,	351 East 81st Street.
Marks, Charles E.,	51 East 67th Street.
Martin, George,	Fordham.
Mears, Edward C.,	New Rochelle.
Merz, August,	68 East 49th Street.
Meltzer, Victor J.,	179 East 109th Street.
Michaelis, Alfred,	53 St. Mark's Place.
Moeller, Edgar J.,	8 Beekman Place.
Monaghan, Eugene,	770 East 167th Street.
Neuman, Frederick Felix,	604 Lexington Avenue.
Nones, Walter M.,	51 East 66th Street.
Of, Charles,	4 Clinton Place.
Perkowski, Waclaw B. Thaddeus,	405 West 30th Street.
Pick Henry,	17 Great Jones Street.
Plaut, Harry J.,	341 West 46th Street.
Pollak, Benjamin,	437 East 56th Street.
Pope, John Russell,	337 Fourth Avenue.
Prager, Nathaniel Harris,	316 East 124th Street.
Prince, Theodore,	321 East 124th Street.
Quigley, William Frederic,	326 West 125th Street.
Ray, Frank Adrian,	254 West 52d Street.
Regan, John Francis,	352 East 56th Street.
Reith, John T.,	1829 Third Avenue.
Remer, John Ware,	66 West 119th Street.
Richardson, George Burr,	Featherbed Lane, High Bridge.
Robert, Raymond Abel,	108 East 56th Street.
Robeson, Fielding T.,	523 Manhattan Avenue.
Rosenbusch, Gilbert Theodore,	108 East 71st Street.
Rosenwasser, Louis,	122 Attorney Street.
Rourke, Cornelius Stephen,	177 East 74th Street.
Ruhl, Henry C.,	520 East 141st Street.
Samuel, Alfred,	1034 Second Avenue.
Saunders, John Marshall,	44 East 79th Street.

Schmuck, Peter,	323 West 39th Street.
Schneider, Robert Herman August,	106 East 71st Street.
Schnepel, John Henry,	265 West 22d Street.
Schnurer, Berthold,	203 East 116th Street.
Scholl, Emil,	1152 Second Avenue.
Schutz, Samuel M.,	129 East 60th Street.
Shilansky, Michael,	199 Division Street.
Shoenfeld, Leonard Benjamin,	1192 Lexington Avenue.
Simpson, Herman,	128 Allen Street.
Skerrett, John Francis,	328 East 84th Street.
Slichter, Walter I.,	28 West 31st Street.
Smith, James E.,	69 West 105th Street.
Smith, Frederick L.,	Albany Avenue, Kingsbridge.
Spiegelberg, James Emanuel,	156 West 44th Street.
Spofford, Henry,	317 West 21st Street.
Stadler, Jerome Stanwood,	17 West 34th Street.
Stanton, Gilman Shattuck,	43 West 71st Street.
Stebbins, Ernest Vail,	60 East 34th Street.
Stein, Alfred William,	214 East 58th Street.
Steinberg, Maurice J.,	165 East 114th Street.
Stern, Arthur,	55 West 50th Street.
Stern, Benjamin Hyman,	133 East 80th Street.
Stern, Philip Alfred,	133 East 121st Street.
Sternfeld, Theodor,	114 East 57th Street.
Stewart, John Henry,	123 West 11th Street.
Stiebel, Samuel,	310 West 103d Street.
Studinski, Leo,	337 West 50th Street.
Sturtevant, Girard,	2115 Fifth Avenue.
Styles, Clarence,	172 East 106th Street.
Tenner, Arthur S.,	212 East 118th Street.
Thompson, Austin,	111 East 82d Street.
Thompson, Robert W.,	229 West 97th Street.
Thyng, Wm. Stevens,	1428 Ninth Avenue.
Timme, Walter,	2 River View Terrace.
Tracy, Clarence Bartlett,	170 West 121st Street.
Treat, Edwin C.,	942 St. Nicholas Avenue.
Tucker, Fitz-Henry Fay,	2301 Seventh Avenue.
Turrell, Guy H.,	2028 Lexington Avenue.
Ulfelder, Sidney,	335 East 65th Street.
Urban, Adolph Hermann,	497 Tenth Avenue.
Vogel, William Frederick,	129 East 113th Street.
Volgenau, Ernest L.,	1688 Park Avenue.
Vorhaus, Joseph J.,	189 Henry Street.
Wagner, Edward Conrad,	296 Lexington Avenue.
Walther, Louis,	302 West 135th Street.

Ware, Franklin B.,	1128 Madison Avenue.
Weichert, Max J.,	437 West 13th Street.
Weingart, Isaac,	822 Lexington Avenue.
Weingarten, Frederick Simon,	320 East 86th Street.
Weiss, Herman Simon,	135 Avenue C.
Werner, Abraham L.,	319 West 31st Street.
White, John, Jr.,	1053 Park Avenue.
Whittemore, Henry J.,	135 West 56th Street.
Williams, Howard Edward,	130 West 70th Street.
Williamson, George J.,	1920 Prospect Avenue.
Willson, Thomas Edgar, Jr.,	169 East 123d Street.
Wohrmann, Herman,	427 West 39th Street.
Wolfe, S. Herbert,	48 East 112th Street.
Young, Hiram G.,	46 Great Jones Street.
Zabriskie, Edward Cornell,	200 East 20th Street.
Zinke, Louis,	206 West 43d Street.

MECHANICAL COURSE.

Abendschein, George Philip,	266 Seventh Avenue.
Bauman, John Alexander,	245 East 27th Street.
Bingen, John P.,	301 East 121st Street.
Bird, George Washington,	1739 Lexington Avenue.
Boylan, John J.,	547 West 59th Street.
Bretzfelder, Isaac,	87 Avenue B.
Campbell, W. F.,	404 College Avenue.
Dexheimer, Adolph,	726 Eighth Avenue.
Fox, Mortimer J.,	127 East 79th Street.
Herzig, Charles Simon,	168 East 75th Street.
Isaacs, Charles,	68½ Baxter Street.
Knox, Oscar,	821 Greene Avenue.
Korn, Daniel,	924 Madison Avenue.
Lester, Clarence K.,	144th Street and Southern Boulevard,
Lyon, George J.,	348 Lenox Avenue.
McEntegart, Thomas,	454 West 53d Street.
McLaughlin, Alonzo G.,	433 East 119th Street.
Mahnken, Harry,	101 West 131st Street.
Michler, Frederick W.,	416 East 88th Street.
Moore, Fred. W.,	334 Second Avenue.
Neill, John,	128 West 100th Street.
Neus, Engelbert,	454 East 116th Street.
Newman, Hugh,	169 East 65th Street.
Patterson, D. William,	185½ Forsyth Street.
Raffin, Edward,	76 West 125th Street.
Reynolds, James J.,	15 Monroe Street.
Roe, Thomas Americus,	118 East 127th Street.

Rosenbaum, Nathan,	210 East 104th Street.
Schöfer, Philip L.,	1596 Second Avenue.
Schum, Charles H.,	256 Third Avenue.
Spelman, George Francis,	248 Third Avenue.
Thorn, Louis,	Riverdale.
Tierney, William,	Spuyten Duyvil.
Tilson, Edward G.,	101 West 37th Street.
Weir, Howard P.,	16 West 126th Street.
Wilmurt, Clifford,	101 West 76th Street.
Wincierz, Arthur H.,	326 East 25th Street.
Worth, Frederick,	250 West 53d Street.
Wurtz, Charles S.,	515 East 119th Street.

SUB-FRESHMAN CLASS.

Aaronstamm, Aaron S.,	45 East Broadway.
Ahern, Harry William,	2347 First Avenue.
Ahrens, Mortimer Henry,	150 East 55th Street.
Alles, George,	508 East 84th Street.
Alexander, Harry Joseph,	200 East 69th Street.
Allen, Frank W.,	354 West 42d Street.
Aronson, Edward A.,	21 North Moore Street.
Atkinson, Eveleigh,	249 East 21st Street.
Ballin, Milton,	73 East 91st Street.
Barringer, Theo. B., Jr.,	226 West 132d Street.
Beckhardt, Moses,	138th St. & 10th Av., Heb. Orph. Asylm.
Benhrosh, Abraham,	150 Bleecker Street.
Bennett, Leo,	122 East 64th Street.
Bennet, Frank Moore,	139 West 130th Street.
Bick, Ephraim J.,	336 East 79th Street.
Bischoff, Ralph,	216 East 79th Street.
Blackwell, Willis J.,	112 West 85th Street.
Bley, Martin,	118 East 110th Street.
Blondel, Ransom,	548 Mott Avenue, cor. 149th Street.
Bloomberg, Samuel David,	50 East 65th Street.
Blot, John Henry,	138 West 121st Street.
Blye, Joseph Napoleon,	67 West 126th Street.
Bostwick, William W.,	1695 Washington Avenue.
Bowsky, Hermann Harry,	254 East 49th Street.
Boyce, William E.,	246 West 31st Street.
Boylston, James Monroe,	233 East 37th Street.
Brennan, James H.,	591 Park Avenue.
Breen, John V.,	1614 Tenth Avenue.
Browne, Joseph Henry,	Winona "A," 8th Ave. and 193d St.
Brubacher, Daniel,	6 Union Square.
Buchenholz, Samuel,	120 Suffolk Street.

Burgemeister, Albert William,	300 East 31st Street.
Burke, John J.,	848 Seventh Avenue.
Burrell, Walter Henry,	322 East 55th Street.
Cahn, E. S.,	161 East 79th Street.
Calhoun, William C.,	427 West 43d Street.
Calkins, Hiram, Jr.,	147 West 49th Street.
Callahan, John J.,	152 Washington Street.
Candler, John Richard,	235 East 33d Street.
Candler, Joseph,	235 East 33d Street.
Cannon, Howard Masten,	766 East 177th Street.
Carell, August F.,	288 Broome Street.
Chasanowitz, Jacob,	5 Orchard Street.
Clarke, Alfred B.,	48 East 10th Street.
Cochrane, John Cadwell,	177 West 94th Street.
Cohen, Irving J.,	69 East 104th Street.
Cohn, M. A.,	333 West 15th Street.
Coleman, John F.,	326 East 62d Street.
Conley, C. H.,	136 East 31st Street.
Costello, D. F.,	415 East 71st Street.
Creeden, John Furlong,	346 Third Avenue.
Cryan, Albert Newell,	126 West 123d Street.
Cuff, John Stephen,	307 East 56th Street.
Cummings, Harry King,	249 West 133d Street.
Curtis, Charles T.,	593 East 141st Street.
Dabour, John G.,	208 East 46th Street.
Daly, David R.,	188 Lexington Avenue.
Davison, Gustave,	310 East 85th Street.
Derleth, Charles,	585 East 134th Street.
Dewey, John A.,	114 East 115th Street.
Diehl, Charles Frederick,	88 Ludlow Street.
Dillenberg, J. S.,	325 East 62d Street.
Dodd, Louis F., Jr.,	73 West 124th Street.
Domosch, Louis Leon,	195 Delancey Street.
Donohoe, Thomas,	214 East 40th Street.
Dougherty, Chas. Percy,	127 East 55th Street.
Douglas, John,	145 West 81st Street.
Drescher, Nathan,	232 East 2d Street.
Dreyer, Frank,	63d Street, cor. Avenue A.
Durand, Wm. C.,	353 West 20th Street.
Durkin, Joseph F.,	451 West 47th Street.
Dyer, Rodrigues S.,	24 Christopher Street.
Eckel, Edwin C.,	364 West 31st Street.
Edwards, Herman,	2304 Seventh Avenue.
Edwards, Robert V.,	393 East 144th Street.
Ehrhorn, Oscar,	215 Ninth Avenue.

Ehrich, Jesse W.,	122 West 71st Street.
Epstein, Max,	264 West 121st Street.
Erdmann, E. F.,	82 Second Avenue.
Erdwurm, Leo,	269 Seventh Avenue.
Farley, Frank,	231 East 26th Street.
Finkler, James,	114 Cannon Street.
Fishel, Leo,	213 East 60th Street.
Fitzpatrick, George T.,	64 Clarkson Street.
Fox, David J.,	127 East 79th Street.
Fox, E. W.,	207 West 133d Street.
Frank, Moritz,	82 First Street.
Frank, Philip,	202 East 7th Street.
Franke, Paul,	237 West 123d Street.
Frazee, Elmer E.,	112 Charles Street.
Frey, Louis J.,	1879 Madison Avenue.
Friend, C. G.,	234 East 58th Street.
Friend, Howard L.,	845 Lexington Avenue.
Friesner, Isidore,	206 East 58th Street.
Gage, Charles Brownell,	1139 Madison Avenue,
Gaige, Wilber Mortimer,	352 West 43d Street.
Gannon, Robert Douglas,	103 King Street.
Geyer, Harold Carl,	78 2d Street.
Giblin, John J. A.,	161 East 72d Street.
Gibson, William F.,	128 East 82d Street.
Gilchrist, A. J.,	313 East 85th Street.
Glock, Edmund C.,	333 West 37th Street.
Godley, Ralph Bertrand,	49 East 21st Street.
Gold, William,	19 Carmine Street.
Goldberg, Louis A.,	56 West Houston Street.
Goldrich, L. W.,	27 Prince Street.
Goodhart, Wm. A.,	1148 Park Avenue.
Goodman, Max,	158 Ridge Street.
Gourlie, John Cameron,	320 East 18th Street.
Graham, Charles T.,	2 King Street.
Green, Leo,	826 Lexington Avenue.
Greenbaum, Samuel William,	23½ Gouverneur Street.
Griffin, Bradney B.,	100 Washington Avenue.
Grimm, Frederick William,	1262 Lexington Avenue.
Gundlich, Albert,	1032 Second Avenue.
Haas, Arthur Centennial,	56 East 122d Street.
Haas, Leopold F. W.,	225 East 69th Street.
Hahn, Alexander,	383 8th Street.
Hall, Franklin Joseph,	230 East 87th Street.
Halstead, Samuel H.,	1 Spencer Place.
Hanauer, Jerome Jonas,	207 West 128th Street.

Hansen, Nicholas Herman,	106 West 26th Street.
Harris, Frederick Robert,	101 East 72d Street.
Harris, James Elbert,	2414 Second Avenue.
Hartigan, John Thomas,	71 East 124th Street.
Hartmann, Edward Max Martin,	1391 Washington Ave., near 170th St.
Heaviside, John,	37 Catharine Street.
Hebbard, Harrison,	257 West 127th Street.
Heimewich, Joseph,	229 Rivington Street.
Heine, Arthur,	102 East 64th Street.
Heins, Dietrich C.,	300 East 86th Street.
Hensel, Otto,	126 Second Avenue.
Hepp, Henry,	323 West 145th Street.
Herzog, Harry Louis,	149 East 83d Street.
Hess, Edwin Henry,	110 East 103d Street.
Hetherington, William Aloysius,	317 East 21st Street.
Hewitt, Alexander S.,	156 West 16th Street.
Hine, Charles Edward,	450 West 58th Street.
Hirsch, William,	220 Eighth Avenue.
Hobby, J. Oakley, Jr.,	110 West 123d Street.
Hochstadter, Edwin A.,	51 East 75th Street.
Horkimer, Sigmund,	347 East 58th Street.
Houston, Samuel Wilson,	7 Jones Street.
Hyman, Julius,	18 Pike Street.
Irwin, John V.,	13 Henderson Place, East 86th Street.
Ives, Harold,	164th Street, Southern Boulevard.
Jackson, Holmes, Coudict,	903 Sixth Avenue.
Jacobs, Charles,	2 Baxter Street.
Jacquelin, Sydney Stickney,	123 East 56th Street.
Jelliffe, Raymond,	208 West 83d Street.
Johnston, Harold Ridgway,	223 East 61st Street.
Jones, Eben P.,	170 East 90th Street.
Joseph, Jacob C.,	242 East 83d Street.
Josephs, Charles Samuel,	111 Lenox Avenue.
Judkowitz, Herman,	385 East Houston Street.
Kearney, Walter,	141 West 53d Street.
Keith, Horace Greeley,	35 West 128th Street.
Kennedy, John A.,	314 West 51st Street.
Kennerk, John C.,	606 Second Avenue.
Kilmer, Theron Wendell,	9 East 57th Street.
Kimball, Paul Story,	230 West 59th Street.
Kirkham, I. Cleveland,	70 West 128th Street.
Klein, Leo,	132 East 94th Street.
Klotz, Walter Carl,	222 East 19th Street.
Knowles, Frank Tobey,	182 East 64th Street.
Koch, Edward G.,	242 East 55th Street.

Koch, William Theodore,	133 West 20th Street.
Kopecky, Francis Anthony,	338 East 73d Street
Krakower, Henry,	220 Henry Street.
Krause, Reuben,	388 Bowery.
Krone, John George William,	1233 Lexington Avenue.
Krehbul, August,	140 Second Avenue.
Kupfer, Walter S.,	123 East 78th Street.
Kurz, William F.,	168 Allen Street.
Lambert, Louis L.,	94 East 114th Street.
Langer, Jacob,	Heb. Orph. Asylm., 136th St. & 10th Av.
Laski, Leon,	271 West 36th Street.
Lefkowitz, David,	Heb. Orph. Asylm., 136th St. & 10th Av.
Leon, Leslie I.,	1958 Madison Avenue, cor. 125th Street.
Leonard, William E. M.,	447 West 49th Street.
Lester, Florence William,	410 East 50th Street.
Levick, Douglas Guinness Gwynne,	2374 Second Avenue.
Levinsky, Isaac,	191 Henry Street.
Levy, Samuel,	742 Third Avenue.
Lissberger, Henry,	118 East 60th Street.
Livingston, Edward,	214 East 45th Street.
Lockhart, Robert John,	35 Carmine Street.
Loewing, Ernest,	281 East Broadway.
Lowenberg, Morris,	311 East Broadway.
Lowenstein, Aaron A.,	42 East 74th Street.
Lubbe, George,	209 East 36th Street.
Lynch, John F.,	300 West 130th Street.
McAdam, Harry G.,	308 West 20th Street.
McCabe, James T.,	558 West 43d Street.
McCaffery, Richard Stanislaus,	263 West 42d Street.
McCoy, John Joseph,	55 East 127th Street.
McDonald, James,	2388 Valentine Avenue, Fordham.
McFall, David Maltman,	213 East 35th Street.
McFarlane, ——,	128 West 127th Street.
McKnight, George E.,	208 East 70th Street.
McManus, Nicholas A.,	10 Morris Street.
McSherry, John Arthur,	603 First Avenue.
Manheimer, Leo,	221 East 57th Street.
Marks, Henry,	201 Delancey Street.
Marks, Isaac,	28 Rutgers Street.
Martin, Edward Jerome,	436 Lenox Avenue.
Martin, Thomas Aloysius,	436 Lenox Avenue.
Meagher, Philip D.,	224 East 21st Street.
Meding, Stewart Murray,	60 West 132d Street.
Meyer, Bernard Joseph,	134 Liberty Street.
Meyer, Leo Bernard,	243 East 118th Street.

Mittenthal, Jacob,	358 East 123d Street.
Monfried, Max,	95 East Broadway.
Montross, Emerson William,	71 West 131st Street.
Moonelis, Emil,	122 East 80th Street.
Morse, George Francis,	1728 Madison Avenue.
Mund, Conrad,	308 East 62d Street.
Nagel, Henry J.,	500 Eleventh Avenue.
Naumburg, Bernard S.,	322 West 58th Street.
Nesbitt, Arthur Alexander,	1712 Washington Avenue, Tremont.
Newman, Emanuel,	412 East 84th Street.
Nichols, James Wallace,	74 East 128th Street.
Norris, Edward W.,	182 East 76th Street.
Oats, Henry E.,	374 West 46th Street.
O'Neill, Charles Edwin,	231 Centre Street.
Oppenheimer, Milton Benjamin,	108 East 81st Street.
O'Reilly, Joseph P.,	186 East 109th Street.
Osborne, William Edwin,	127 East 124th Street.
Paskusz, Benj.,	242 East 72d Street.
Paskusz, Martin,	242 East 72d Street.
Paulsen, Jacob F.,	Popham Street, Mount Hope.
Peiser, Sol. V.,	124 East 58th Street.
Pfeffer, Frank J.,	85 Clinton Place.
Pforzheimer, Arthur,	348 East 124th Street.
Pick, Louis,	840 East 169th Street, Morrisania.
Piercey, Albert I.,	248 West 11th Street.
Polak, Joseph,	Mapes Av., near Samuel St., E. Tremont.
Pollak, Rudolph Raphael,	54 East 123d Street.
Post, Charles J.,	1354 Broadway.
Potsdamer, Charles,	254 Delancey Street.
Power, E. Ormonde,	114 West 126th Street.
Putney, Arthur,	230 West 130th Street.
Raftery, Thomas, Jr.,	72 East 87th Street.
Ray, Malcolm T.,	2296 Morris Avenue, cor. 183d Street.
Reinach, Albert Reinhart,	95 East Broadway.
Rice, William C.,	2285 Seventh Avenue.
Richardson, David Benson,	172 West 105th Street.
Riederer, Emil Justus,	145 West 94th Street.
Riley, Daniel Joseph,	59 East 123d Street.
Robinson, Franklin W.,	620 East 135th Street.
Rodarmor, Frank J.,	260 East 122d Street.
Rodman, George E.,	663 Lexington Avenue.
Rogers, Alfred M.,	119 East 123d Street.
Rogers, J. S.,	1150 Boston Avenue.
Rogers, Lebbeus H., Jr.,	341 Lenox Avenue.
Rosenbaum, Alexander,	204 West 41st Street.

Rosenberg, Aaron,	17 Attorney Street.
Rosenberg, Jacob,	58 Avenue D.
Rosenberg, Moses,	17 Attorney Street.
Rosenblatt, Jacob Aaron,	47 Essex Street.
Rosensohn, Hyman,	49 Eldridge Street.
Rosenstein, Walter Julius,	33 East 63d Street.
Rovegno, Jacob,	207 Greene Street.
Ruddell, John, Jr.,	101 West 121st Street
Rundlett, Ernest A.,	114 West 16th Street.
Salant, Henry,	148 Madison Street.
Savage, José Ramon Fernandez,	344 West 123d Street.
Schackman, Edgar,	87 East 111th Street.
Schaeffer, Alfred,	83 Ludlow Street.
Scherck, Seymour M.,	121 West 93d Street.
Schlockow, Oswald,	154 Avenue C.
Schloss, Emile,	1303 Third Avenue.
Schmitt, Frederick William,	971 Lexington Avenue.
Schnaper, Edward,	691 Second Avenue.
Schneer, Frederick Hirleman,	424 East 119th Street.
Schneider, Andrew,	158 Third Avenue.
Schoonover, Warren, Jr.,	115 East 59th Street.
Schwarz, Hyman,	423 East 117th Street.
Scott, Charles H.,	210 West 83d Street.
Scully, Patrick J.,	648 East 12th Street.
Seaver, Arthur Harlan,	176 West 86th Street.
Semken, George H.,	763 Sixth Avenue.
Shackman, Edgar Bertram,	87 East 111th Street.
Shattuck, Frederic G.,	352 West 22d Street.
Shattuck, Raymond W.,	352 West 22d Street.
Shaw, William Robert,	1023 Third Avenue.
Shea, Harwood Boyd,	230 West 95th Street.
Silberstein, Elias,	329 East 180th Street.
Silver, Seymour,	118 East 89th Street.
Silverman, Benjamin,	32 Essex Street.
Simonson, George Henry,	61 East 83d Street.
Simonson, Simon,	244 East 58th Street.
Slawson, Loton H.,	355 Lexington Avenue.
Smith, Charles Benjamin,	251 West 127th Street.
Sinith, Henry George,	924 Third Avenue.
Smith, James Gilmore, Jr.,	251 West 127th Street.
Smith, John P.,	355 West 17th Street.
Spahr, Edward,	1187 Lexington Avenue.
Spingarn, Joel Elias,	118 East 58th Street.
Spitz, Joseph,	172 Seventh Avenue.
Spitzer, Max,	659 Ninth Avenue.

Stern, Isaac,	63 Monroe Street.
Stern, Henry,	116 East 8th Street.
Stern, Samuel,	219 East 84th Street.
Stevenson, Archibald Duncan,	715 East 143d Street.
Stoneback, Charles Haskins,	820 Greenwich Street.
Strasburger, Edgar,	240 West 24th Street.
Strong, Nathaniel Colvin,	232 East 46th Street.
Sturtz, Samuel,	482 Grand Street.
Sullivan, Franklin Curtis,	36 Sutton Place.
Sundheimer, William,	141 East 74th Street.
Sutorius, George Ford,	39 Whitehall Street.
Swanson, William H. K.,	36 Grove Street.
Sweeney, Dennis J.,	134 Henry Street.
Sweeny, William Montgomery,	126 Franklin Street,
Tannebaum, Simon,	160 Attorney Street.
Terry, Charles Graham,	542 East 87th Street.
Thompson, John Henry,	36th East 30th Street.
Thompson, William Francis Aloysius,	203 West 67th Street.
Thorn, Frank,	33 2d Street.
Titus, William Amos,	233 West 134th Street.
Toch, Max B.,	295 East 10th Street.
Toubé, Ira,	145 West 44th Street.
Tupler, Archie,	20 East 33d Street.
Turner, Reeve,	129 East 29th Street.
Turner, Robert Charles,	2131 Washington Avenue, cor. 181st St.
Underndorfer, Leo Isaac,	371 Bowery.
Uterhart, Henry Ayres,	552 East 85th Street.
Van Holland, Charles, Jr.,	349 East 83d Street.
Van Houten, Harry J.,	192 West 10th Street.
Van Loan, Joseph Thompson,	30 West 123d Street.
Van Orden, Archibald Stark,	606 East 136th Street.
Van Orden, William G.,	694 East 135th Street.
Van Praag, Harry Leon,	228 West 130th Street.
Vedder, Paul Burtis,	6 Convent Hill, West 128th Street.
Verbeck, Arthur,	66 West 100th Street.
Voislawsky, Antonie P.,	72 St. Mark's Place.
Voos, Maximilian Joseph,	450 East 84th Street.
Wahlig, Herman Gustave,	317 East 42d Street.
Waite, Harry F.,	142 East 28th Street.
Wallace, William Lester,	S. W. cor. Morris Ave. and 162d St.
Walsh, Michael Raphael,	52 Prospect Place.
Ward, Eugene Joseph,	272 East Broadway.
Weissbaum, Jacob,	53 Hester Street.
Weschler, Jacob C.,	469 Second Avenue.
Weston, John C.,	103 East 104th Street.

White, Peter,	205 East 32d Street.
Wiener, Frederick,	1003 Madison Avenue.
Witt, Albert,	285 Broome Street.
Whittenberg, David,	252 Division Street.
Woodburn, Alexander A.,	197 Seventh Avenue.
Woolf, Harry,	138th Street and Tenth Avenue.
Wray, William,	1883 Vyse Avenue.
Wright, Charles L., Jr.,	156 East 86th Street.
Wurtz, Lionel,	2142 Seventh Avenue.
Zinke, Alexander,	206 West 43d Street.

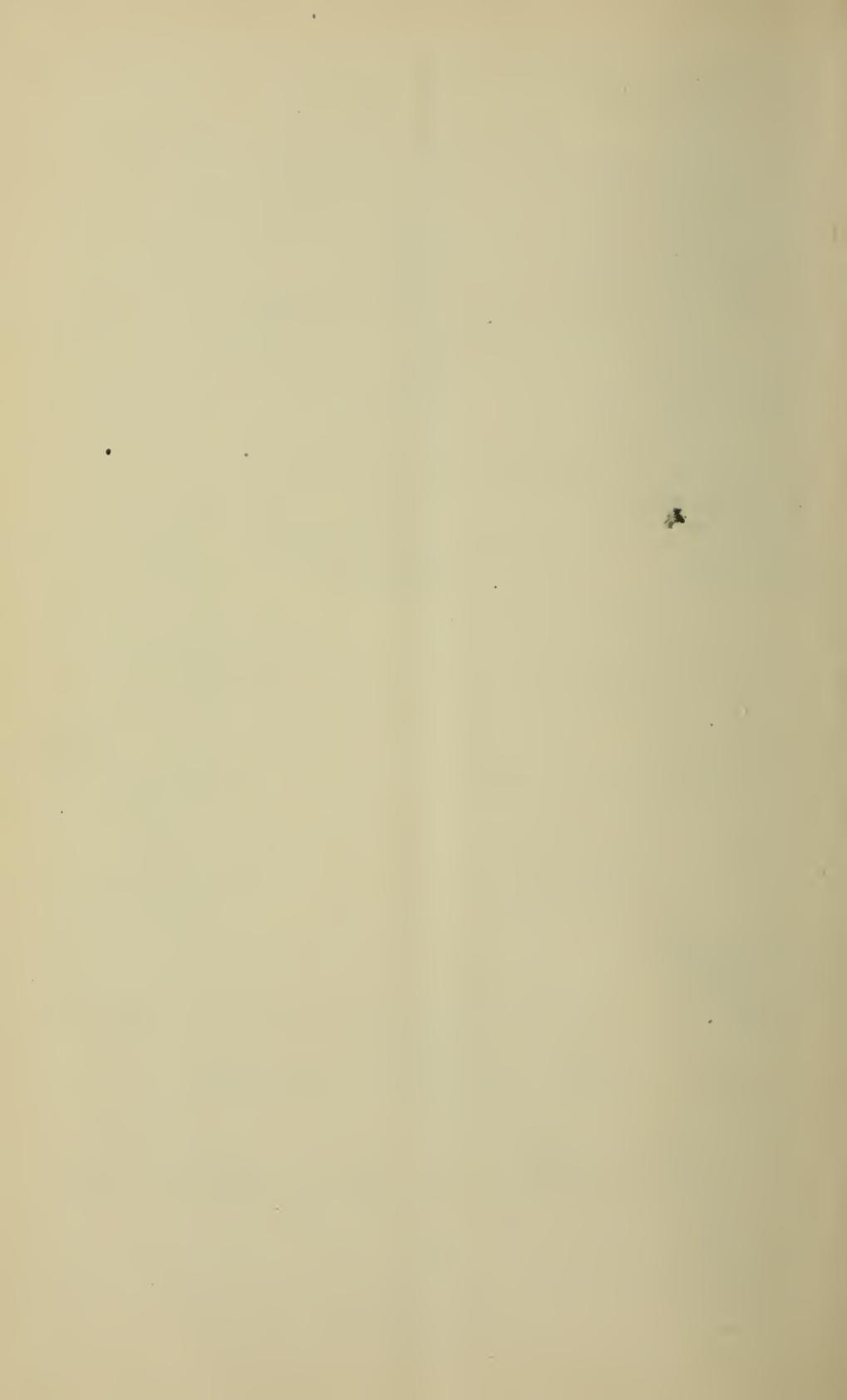
MECHANICAL COURSE.

Abbott, Thomas Henry,	507 West 26th Street.
Adam, George Aubrey,	2009 Seventh Avenue.
Adams, Elihu,	122 West 131st Street.
Aery, Charles,	257 Madison Street.
Albertine, Peter,	235 Sixth Avenue.
Aken, James Henry,	116 Cannon Street.
Angell, Clarence,	467 Manhattan Avenue.
Baldwin, George Edward,	239 West 132d Street.
Bellman, Julius,	1273 Third Avenue.
Benham, John Alexander,	159 East 103d Street.
Bennett, Thomas Archie,	406 West 57th Street.
Besthoff, Maurice Mayer,	211 West 21st Street.
Billman, Emile,	363 Seventh Avenue.
Bishop, Reed Raymond,	345 West 48th Street.
Bjorkwall, Charles Hjalmar,	138 East 43d Street.
Bloom, David,	28 Canal Street.
Bogenschneider, Charles Julius,	317 East 80th Street.
Boyd, James Delancie,	126 West 27th Street.
Brandeis, Julian Walter,	113 East 122d Street.
Brandes, F. George,	142 West 122d Street.
Braun, William,	442 East 88th Street.
Breyer, Alfred,	210 West 104th Street.
Buck, John Charles,	426 West 48th Street.
Butler, John Paul,	408 West 54th Street.
Buzzini, John,	500 West 125th Street.
Chapple, Sanford Westcott,	179th Street, near Third Avenue.
Church, A. E.,	112th Street and First Avenue.
Cisler, William,	304 East 75th Street.
Clark, Baylies Coleman,	19 West 126th Street.
Clarkson, Frank Jackson,	48 East 66th Street.
Clarkson, Jay Herrick,	48 East 66th Street.
Coen, James Francis,	Bellevue Hospital.
Collyer, Charles Francis,	542 East 143d Street.

Corell, Philip Ritschy,	33 Commerce Street.
Davis, Samuel Silas,	335 West 13th Street.
Decker, William Charles,	209 West 35th Street.
Deery, James,	32 King Street.
Delaney, John J.,	1235 Union Avenue.
Eckstein, Isidor,	347 Third Avenue.
Eisner, David Henry,	5 Mitchell Place, East 49th Street.
Elfers, William Richard,	250 Division Street.
Engelke, Julius Ernest Frederick,	1321 First Avenue, cor. 71st Street.
Ennis, John Hugh,	614 East 154th Street.
Falconer, Frederick William,	105 West 131st Street.
Fincke, Henry Christopher Cyrus,	145th Street and Southern Boulevard.
Fitzgerald, Edward Thomas,	43 Whitehall Street.
Frazee, Elmer E.,	112 Charles Street.
Gage, Stanley,	507 West 27th Street.
Geisman, Max,	326 East 39th Street.
Gibb, Frank Cowan,	720 East 144th Street.
Giles, Edwin S.,	131 East 59th Street.
Godwin, George Gedney,	Kingsbridge.
Goldberg, George,	36 Baxter Street.
Goldberg, John Lazurus,	118 West 122d St.
Goldmann, Nathan,	353 East 19th Street.
Goodenough, William James,	132 East 123d Street.
Gordon, Robert L.,	306 West 46th Street.
Graham, Charles H.,	2 Sylvan Place.
Graham, John, Jr.,	543 East 85th Street.
Greene, William J.,	170 Alexander Avenue.
Gregory, Herbert,	83 Washington Place.
Harvich, Benjamin,	33 Pitt Street.
Henry, Edward M.,	362 West 43d Street.
Herrmann, Edward,	255 West 29th Street.
Hofmann, Emil H.,	154 East 65th Street.
Hornthal, DeWitt,	6 East 78th Street.
Hudson, Wilbur G.,	73 West 131st Street.
Hunter, Chas. E.,	368 West 35th Street.
Hyams, Louis,	129 East 79th Street.
Irving, George H., Jr.,	264 West 130th Street.
Jackson, William H.,	14 Charles Street.
Kahn, Benjamin,	204 East 76th Street.
Kelly, Thomas P.,	423 West 13th Street.
Kettle, John E.,	276 West 25th Street.
King, Elbert W.,	586 East 136th Street.
Klein, Maurice,	709 East 5th Street.
Koch, Fernand,	829 First Avenue.
Kraemer, Henry G.,	3275 Third Avenue.

Lange, Erich,	424 East 9th Street.
Levenson, Alfred B.,	48 West 50th Street.
Loewy, George J.,	405 East 87th Street.
McAuliffe, Dennis F.,	3 James Slip.
McConnell, Robert H.,	23 West 130th Street.
McCormack, Richard F.,	5 Morton Street.
McFarland, David E.,	345 West 24th Street.
Mahon, James A. J.,	224 East 39th Street.
Main, Edward J.,	297 Delancey Street.
Marscheider, Edward F.,	341 East 43d Street.
Meyer, Frederick Charles,	106 Christopher Street.
Morrison, Herbert H.,	352 West 29th Street.
Murray, John A.,	314 East 115th Street.
Naumann, William,	340 5th Street.
Newhouse, Gabriel,	425 East 50th Street.
Nicholls, Harry Harris,	219 East 74th Street.
Nowak, Albert Joseph,	138 Ludlow Street.
O'Flaherty, James Joseph,	281 West 114th Street, cor. 8th Avenue.
Pfeifer, Charles,	198 Avenue B, near 12th Street.
Phillips, Thomas Henry,	549 West 110th Street.
Plauth, Henry,	159½ Essex Street.
Plunkett, Richard, Jr.,	284 Third Avenue.
Randall, Samuel,	126 West 101st Street.
Randles, Thomas Bernard,	290 Front Street.
Randolph, Edward H.,	229 West 26th Street.
Randolph, Willard I. F.,	180 West 59th Street.
Rechlin, Gustav,	334 East 17th Street.
Reed, John Kettleman, Jr.,	31 Barrow Street.
Rice, Herbert M.,	122 West 129th Street.
Riedel, Arthur E.,	146 Delancey Street.
Riffel, Henry,	321 East 17th Street.
Rittenhouse, G. Johnson,	233 West 135th Street.
Robinson, John A.,	353 West 46th Street.
Robson, Henry H.,	771 East 163d Street.
Rodenburg, Charles,	428 West 44th Street.
Rosemond, Neil Wade,	1796 Ninth Ave., bet. 102d & 103d Sts.
Rosenwasser, Charles,	320 East 52d Street.
Rundquist, Emil Albin,	St. Luke's Hospital.
Schaeffer, Louis Charles,	226 East Broadway.
Schramm, William,	854 Eighth Avenue.
Selchow, Frederick Mudge,	17 West 124th Street.
Shire, Edward,	109 East 61st Street.
Silverstone, Jacob,	280 Broadway.
Simmonds, Edward,	175 West 82d Street.
Smith, Talbot Sprague,	Spuyten Duyvil.

Snodgrass, James Edward,	220 West 131st Street.
Soule, William Manuel,	1832 Tenth Avenue.
Strippel, John William,	107 West 29th Street.
Strubel, Adolph,	1629 First Avenue.
Taddiken, Paul Gerald,	332 West 46th Street.
Terry, Frederick Charles,	601 West 23d Street.
Textor, Rudolph,	411 Pleasant Avenue.
Tilson, Frank Z.,	101 West 37th Street.
Tompkins, Edward D.,	75 Jane Street.
Townsend, Grosvenor L.,	111 East 28th Street.
Tucker, Roswell Cummings,	673 East 138th Street.
Veit, George Bernhard,	55 East 61st Street.
Vought, Harry Kaiser,	10 West 135th Street.
Wagner, Frank Leonard,	331 Rivington Street.
Wallace, Alfred Ambrose,	219 West 20th Street.
Warners, Robert Fulton,	515 East 15th Street. .
Weidhaas, Gustave Adolph,	328 Ninth Avenue.
Wellings, Joseph George,	182d Street and Third Avenue.
Weill, Morris,	677 Second Avenue.
Whiting, Giles,	25 East 75th Street.
Wild, Charles,	1602 Avenue A.



University of the State of New York.

COLLEGE OF THE CITY
OF
NEW YORK.

FORTY-SECOND ANNUAL REGISTER.

1890-91.

PRESS OF DE LEEUW & OPPENHEIMER,
231 WILLIAM ST., NEW YORK.

CONTENTS.

1890-91.

	PAGE
BOARD OF REGENTS,	4
BOARD OF TRUSTEES—EXECUTIVE COMMITTEE,	5
OFFICERS OF INSTRUCTION, GOVERNMENT, ETC.,	6
THE COLLEGE—ITS FOUNDATION, HISTORY, ETC.,	8
TERMS, VACATIONS, DAILY SESSIONS,	8
REQUISITES FOR ADMISSION,	9
COURSES OF STUDY,	10
DEPARTMENTS OF STUDY,	20
LIBRARY,	34
WORKSHOP,	34
DISCIPLINE,	35
EXAMINATIONS,	36
ALLOWANCE OF MARKS,	36
MERIT ROLL,	37
COMMENCEMENT,	38
MEDALS AND PRIZES,	38
CLASSICAL SCHOLARSHIP,	42
DEGREES,	43
THE ASSOCIATE ALUMNI,	43
STUDENTS' AID FUND,	44
LITERARY SOCIETIES,	44
COMMENCEMENT, 1890—	
MEDALISTS AND PRIZEMEN,	45
HONOR MEN,	47
DEGREES CONFERRED,	47
DIRECTORY—	
CALENDAR,	49
BOARD OF TRUSTEES,	50
OFFICERS OF THE COLLEGE,	51
STUDENTS,	52

367-20

UNIVERSITY OF THE STATE OF NEW YORK.

BOARD OF REGENTS.

1890.

*GEORGE WILLIAM CURTIS, LL.D., <i>Chancellor</i> , WEST NEW BRIGHTON.		
ANSON J. UPSON, D.D., LL.D., <i>Vice-Chancellor</i> ,		GLENS FALLS.
DAVID B. HILL, <i>Governor</i> ,		
EDWARD F. JONES, <i>Lieutenant-Governor</i> ,		
FRANK RICE, <i>Secretary of State</i> ,		
ANDREW S. DRAPER, LL.D., <i>Sup't of Public Instruction</i> ,		

*Ex-Officio,
ALBANY.*

In order of election by the Legislature :

GEORGE WILLIAM CURTIS, LL.D., 1864,	WEST NEW BRIGHTON.
FRANCIS KERNAN, LL.D., 1870,	UTICA.
MARTIN I. TOWNSEND, LL.D., 1873,	TROY.
ANSON J. UPSON, D.D., LL.D., 1874,	GLENS FALLS.
WILLIAM L. BOSTWICK, 1876,	ITHACA.
CHAUNCEY M. DEPEW, LL.D., 1877,	NEW YORK.
CHARLES E. FITCH, 1877,	ROCHESTER.
ORRIS H. WARREN, D.D., 1877,	SYRACUSE.
LESLIE W. RUSSELL, LL.D., 1878,	NEW YORK.
WHITELAW REID, 1878,	NEW YORK.
WILLIAM H. WATSON, M.D., 1881,	UTICA.
HENRY E. TURNER, 1881,	LOWVILLE.
ST. CLAIR McKELWAY, LL.D., 1883,	BROOKLYN.
HAMILTON HARRIS, 1885,	ALBANY.
DANIEL BEACH, LL.D., 1885,	WATKINS.
WILLARD A. COBB, 1886,	LOCKPORT.
CARROLL E. SMITH, 1888,	SYRACUSE.
PLINY T. SEXTON, 1890,	PALMYRA.
T. GUILFORD SMITH, 1890,	BUFFALO.
MELVIL DEWEY, M.A., <i>Secretary</i> ,	ALBANY.
ALBERT B. WATKINS, PH.D., <i>Assistant Secretary</i> ,	ALBANY.

* Elected January 30, 1890, *vice* Chancellor Pierson, who died January 1, 1890.

BOARD OF TRUSTEES.

*J. EDWARD SIMMONS, LL.D., CHAIRMAN.

†JOHN L. N. HUNT, CHAIRMAN.

*JACOB D. VERMILYE,	MRS. SARAH H. POWELL,
*J. EDWARD SIMMONS, LL.D.,	ADOLPH L. SANGER,
FERDINAND TRAUD,	THADDEUS MORIARTY,
FREDERICK W. DEVOE,	MRS. MARY N. AGNEW,
SAMUEL M. PURDY,	MRS. CLARA M. WILLIAMS,
*ROBERT M. GALLAWAY,	JAMES W. GERARD,
CHARLES L. HOLT,	JOSEPH F. MOSHER,
JOHN L. N. HUNT,	RANDOLPH GUGGENHEIMER,
‡FREDERICK KUHNE,	WILLIAM LUMMIS,
MILES M. O'BRIEN,	CHARLES B. HUBBELL,
EDWARD H. PEASLEE,	ALEXANDER S. WEBB, LL.D.

ARTHUR McMULLIN, A.M., SECRETARY.

EDWARD E. VAN SAUN, ASSISTANT SECRETARY.



EXECUTIVE COMMITTEE

FOR THE

CARE, GOVERNMENT AND MANAGEMENT OF THE COLLEGE.

CHARLES L. HOLT, CHAIRMAN.

JOHN L. N. HUNT,	ADOLPH L. SANGER,
EDWARD H. PEASLEE,	*JACOB D. VERMILYE,
FREDERICK W. DEVOE,	THADDEUS MORIARTY,
JAMES W. GERARD,	*J. EDWARD SIMMONS, LL.D.,
	ALEXANDER S. WEBB, LL.D.

* Resigned.

† Elected in place of Chairman Simmons.

‡ Deceased.

OFFICERS
OF
INSTRUCTION, GOVERNMENT, ETC.

ARRANGED IN ORDER OF SENIORITY.

THE PRESIDENT AND PROFESSORS CONSTITUTE THE FACULTY.

ALEXANDER STEWART WEBB, LL.D.,
President.

JEAN ROEMER, LL.D.,
Vice-President, and Professor of the French Language and Literature.

ROBERT OGDEN DOREMUS, M.D., LL.D.,
Professor of Chemistry and Physics.

ADOLPH WERNER, PH.D.,
Professor of the German Language and Literature, and Secretary to the
Faculty.

ALFRED GEORGE COMPTON, A.M.,
Professor of Applied Mathematics.

CHARLES GEORGE HERBERMANN, PH.D., LL.D.,
Professor of the Latin Language and Literature, and Librarian.

DAVID BURNET SCOTT, PH.D.,
Professor of the English Language and Literature.

SOLOMON WOOLF, A.M.,
Professor of Descriptive Geometry and Drawing.

GEORGE BENTON NEWCOMB, PH.D.,
Professor of Moral and Intellectual Philosophy.

FITZ GERALD TISDALL, PH.D.,
Professor of the Greek Language and Literature.

JAMES WEIR MASON, A.M.,
Professor of Pure Mathematics.

HENRY PHELPS JOHNSTON, A.M.,
Professor of History.

WILLIAM STRATFORD, M.D., PH.D.,
Professor of Natural History.

TUTORS AND INSTRUCTORS.

CASIMIR FABREGOU, A.M.,
WILLIAM GEORGE McGUCKIN, A.B., LL.B.,
JOHN ROBERT SIM, A.B.,

LEIGH HARRISON HUNT, M.S., M.D.,
JULIUS C. MORGENTHAU, Ph.D.,
IVIN SICKELS, M.S., M.D.,
CALVIN RAE SMITH,
JOSEPH FRANCIS MULQUEEN, A.M., LL.B.,
CHARLES AVERY DOREMUS, M.D., Ph.D.,
*DAVID CHERBULIEZ,
GUSTAVE LEGRAS, B.S.,
LEWIS FREEMAN MOTT, M.S.,
HARVEY F. MITCHELL, M.E.,
AUGUST RUPP, A.B.,
LUIS ALEJANDRO BARALT, A.B., M.D.,
ROBERT HOUSTON,
HENRY G. KOST, B.S.,
L. HEINRICH FRIEDBURG, Ph.D.,
JOHN ALFRED MANDEL,
CHARLES LANE POOR, M.S.,
BASHFORD DEAN, Ph.D.,
WILLIAM FOX, B.S., M.E.,
JAMES HERVEY DE GROADT,
H. WHEELER POWELL, B.S.,
CARL SCHURZ PETRASCH, B.S.,
C. HOWARD PARMLY, B.S.,
WALTER O'BRIEN, M.D.,
FREDERIC E. PERHAM, B.S.,
STANISLAS C. CONSTANT,
LOUIS FENNEBRESQUE, A.B., B.S.,
ERNEST ILGEN, A.B.,
LIVINGSTON SCHUYLER, A.B.,
LOUIS H. RULLMANN, B.S.

ROBERT W. CANA,
Registrar and Deputy Librarian.

HENRY MAYELL,
Secretary to the President.

BENJAMIN ARAD SHELDON, Ph.D.,
Assistant in Library and Office.

MICHAEL F. BONNEY,
Janitor.

JAMES REED,
Engineer.

* Died October 10, 1890.

THE COLLEGE.

The College of the City of New York, originally entitled the Free Academy, was established in 1848 by the Board of Education of the City of New York, in pursuance of an Act of the Legislature of the State, passed May 7, 1847, and ratified by the vote of the people of the city, June 9, 1847. The first class entered January, 1849, and completed its course in July, 1853. In the year 1854 the Legislature passed a law endowing the institution with collegiate powers and privileges, so far as pertained to the conferring upon its graduates the usual collegiate degrees and diplomas in the Arts and Sciences. In the year 1866, on the recommendation of the Board of Education, the Legislature of the State changed the name to that of "*The College of the City of New York*," and conferred on the institution the powers and privileges of a college, pursuant to the Revised Statutes of the State, rendering it subject to the provisions of the said statutes relative to colleges, and to the visitation of the Regents of the University, in like manner with other colleges of the State, and making the members of the Board of Education, *ex-officio*, the Trustees of the College. In 1872 the President of the College was, by Act of Legislature, made a member of the Board of Trustees. In the year 1882 the Legislature repealed so much of the statutes relating to the College as had made one year's attendance at the public schools of the city a requisite for admission, thus opening the College to all young men of the city of proper age and sufficient preparation. Instruction is free; so is the use of text-books and apparatus; and there is no expense whatever to be borne by the students.

TERMS, VACATIONS, DAILY SESSIONS.

The College year begins on the Thursday following the second Monday of September, and closes on the fortieth Thursday there-

after. It is divided into two terms. The first term closes on the fourth Friday of January ; the second begins the following Monday.

There are three vacations—the Summer vacation, from the day after Commencement to the Thursday after the second Monday in September ; the Winter vacation, from the 25th day of December to the 2d day of January, inclusive ; and the Spring vacation, the week in which occurs the 1st day of May. There are no College exercises on legal holidays, or on any Friday immediately following a legal holiday.

During term-time the exercises begin at 20 minutes to 9 A.M., and continue until all the classes are heard. During the Winter months the sessions may open and close half an hour later.

REQUISITES FOR ADMISSION.

The examination of applicants for admission takes place immediately before the general examination in June. No applicant is admitted to the Sub-Freshman Class unless he be fourteen years of age on or before Commencement Day next following the regular examinations for admission, a resident of the City of New York, and shall have passed a good examination in *Spelling*, *English Grammar*, *Arithmetic*, *Plane Geometry*, as taught in the Public Schools, *Geography*, *History of the United States*, and in the *Elements of Industrial Drawing*.

No person is allowed to be present at the examinations for admission except the instructors of the College and the members of the Board of Trustees. Neither the names of the candidates nor the schools from which they come are made known to the instructors conducting the examination, but each candidate is designated, during the examination, by a number assigned to him by the President. Candidates who pass a good examination are admitted *on probation for eight weeks*, at the expiration of which those who have shown the ability to prosecute the prescribed studies have their names entered on the rolls of the College.

In addition to the general examination in June, special examinations for admission to the higher classes are held on the last Friday in each month.

Any young man, a resident of the city, may be received into any of the higher classes, provided he passes satisfactorily the same examination as the students of the class to which he may seek admission.

To be admitted to examination, candidates present to the President of the College certificates in due form, signed by the Principals of the schools which they have attended, and specifying the dates and length of time of their attendance.

Every student, on leaving the institution, after one year, with a good character, is entitled to a certificate stating the period he has been in the College and the studies there pursued by him, provided he has satisfactorily accounted for all the books and other property entrusted to him; but no student shall receive such a certificate if he be dismissed for misconduct. If a student absents himself for two weeks without permission, his name is stricken from the rolls, and he loses his right to a certificate of good standing on leaving the institution.

COURSES OF STUDY.

There are three courses of study, each of five years' duration. The student, or his parent or guardian, is required to choose one of these courses on entering, and no change from one course to another is permitted, except on passing an examination satisfactory to the Faculty, in the studies that have been pursued by the class which the student desires to join. An outline of the studies in each course is given in the schedule on pages 11 to 20.

The three courses are alike collegiate in character, aiming at general development of the powers of the mind rather than special preparation for a particular pursuit in life. The Classical Course gives special prominence to the Latin and Greek languages, but includes one modern language also in the Senior year. It leads to the degree of Bachelor of Arts. In the Scientific and Mechanical Courses more attention is paid to mathematics and modern languages, but Latin may, at the option of the student, be included in the Senior year in the Scientific Course. These two courses lead to the degree of Bachelor of Sciences.

The Mechanical Course differs from the Scientific Course in giving more prominence to the applications of mechanical science.

during the Senior year, and in making practice in the work-shop and mechanical laboratory obligatory to the extent of four hours a week, on an average, during the entire course. The time for this extra work is provided, in part by the omission of a portion of the work in natural history and philosophy and the omission of a third language in the Senior year, and in part by requiring additional hours of attendance at the College, making the total number of hours in this course twenty-three a week, while in the others it is twenty.

In the Classical and Scientific Courses, work-shop practice is permitted in the afternoons, as far as the capacity of the shops will allow, to such students as, in the opinion of the Faculty, can perform this work without interfering with their studies.

There is also a Post-Graduate Course in Civil Engineering extending through two years.

In addition to the lectures and recitations indicated in the following schedule, there are exercises in oratory and declamation in the Chapel every morning, when one Senior, one Junior and one Sophomore speak before the whole College.

CLASSICAL COURSE.

SUB-FRESHMAN CLASS.

FIRST YEAR—FIRST TERM.

	Hours per week.
English Language..... <i>{ Brown's Institutes of English Grammar, Poetical Selections,</i>	3
Latin..... <i>Allen and Greenough's Grammar, Leighton's Lessons,</i>	5
Geometry..... <i>Davies' Legendre,</i>	5
Botany..... <i>Kellerman,</i>	2
Free-hand Linear Drawing.....	3
Elements of Physics..... <i>Lectures and Cooley,</i>	2

FIRST YEAR—SECOND TERM.

Hours
per week.

English Language.....	<i>Abbott's "How to Write Clearly,"</i>	3
Latin.....	<i>as in first term,</i>	5
Algebra	<i>Wentworth,</i>	5
Anatomy.....	<i>Lectures,</i>	2
Free-hand Linear Drawing.....		3
Elements of Physics.....	<i>as in first term,</i>	2

FRESHMAN CLASS.

SECOND YEAR—FIRST TERM.

English Synonyms.....	<i>Graham,</i>	1
Latin	{ <i>Herberman's Sallust, Allen and Greenough's Grammar, Prose Composition,</i>	3
Greek.....	<i>Goodwin's Grammar, White's First Lessons,</i>	3
History.....	<i>Myers' General History,</i>	3
Algebra.....	<i>Loomis,</i>	2
Geometry.....	<i>Davies' Legendre,</i>	3
Descriptive Geometry.....	<i>Woolf,</i>	3
Zoölogy.....	<i>Lectures and Orton,</i>	2

SECOND YEAR—SECOND TERM.

English Synonyms.....	<i>as in first term,</i>	1
Latin..	<i>Cicero's Orations, Grammar and Prose Composition</i>	3
Greek	<i>as in first term, and Goodwin's Xenophon's Anabasis,</i>	3
History.....	<i>Freeman's General Sketch,</i>	3
Geometry.....	<i>Davies' Legendre,</i>	2
Plane Trigonometry and Mensuration.	{ <i>Wheeler, Compton's Manual,</i>	3
	<i>Loomis' Logarithms,</i>	
Zoölogy.....	<i>as in first term,</i>	2
Shades and Shadows and Perspective.....		3
Compositions.		

SOPHOMORE CLASS.

THIRD YEAR—FIRST TERM.

English Language and Literature.....	<i>Shaw,</i>	2
Rhetoric.....	<i>Bain's Manual,</i>	2
Logic.....	<i>Jevons,</i>	1
Latin.....	<i>Frieze's Virgil's Aeneid, Grammar, Prose Composition,</i>	2
Greek.....	{ <i>Goodwin's Grammar and Anabasis, Arnold's Prose Composition,</i>	3
History.....	<i>Thompson's History of England,</i>	2
Chemistry.....	<i>Clowes' Practical and Analytical Chemistry,</i>	2
Spherical Trigonometry, Surveying and Navigation..	<i>Wheeler and Docharty,</i>	3
Free-hand Drawing—Course of Ornament.....		3
Compositions and Declamations.		

THIRD YEAR—SECOND TERM.

		Hours per week.
English Literature.....	<i>Shaw,</i>	2
Rhetoric.....	<i>as in first term,</i>	2
Logic.....	<i>as in first term,</i>	1
Latin.....	<i>Lincoln's Livy, Grammar, Prose Composition,</i>	2
Greek.....	{ <i>Goodwin's Grammar, Arnold's Prose Composition, Winan's Xenophon's Memorabilia and Plato's Crito,</i> }	3
History.....	<i>as in first term,</i>	2
Chemistry.....	<i>as in first term,</i>	2
Analytical Geometry.....	<i>Peck,</i>	3
Drawing and Study of the Antique and Figure.....		3
Compositions and Declamations.		

JUNIOR CLASS.

FOURTH YEAR—FIRST TERM.

English Language and Literature, Poetry...	<i>Shaw, and Printed Selections,</i>	2
Latin.....	{ <i>Anthon's Horace, Tyler's Tacitus, Agricola and Germania, Grammar, Prose Composition,</i> }	4
Greek.....	{ <i>Goodwin's Greek Grammar, Arnold's Prose Composition, Demosthenes' Orations,</i> }	3
Political Science*....	{ <i>Lectures, Cooley's and Kent's Constitutional Law, Woolsey's International Law,</i> }	3
Mechanics and Acoustics.....	<i>Lectures and Bartlett,</i>	4
Chemical Physics.....	<i>Pynchon,</i>	2
History.....	<i>Lectures and Eliot's History of the U. S.,</i>	1
Anthropology, Zoölogy.....	<i>Lectures and Tenney,</i>	1
Original Declamations.		

FOURTH YEAR—SECOND TERM.

English Language and Literature, Prose.....	{ <i>Brooke, Shaw, and Printed Selections,</i> }	2
Latin.....	{ <i>Cicero's Letters, Horace's Satires and Epistles, Prose Compositions,</i> }	4
Greek.....	{ <i>Grammar and Prose Composition, Selections from Iliad or Odyssey of Homer,</i> }	3
Optics and Astronomy.....	<i>Lectures and Bartlett, Newcomb,</i>	4
Political Economy.....	<i>Lectures and Walker's Political Economy,</i>	3
Chemical Physics.....	<i>as in first term,</i>	2
History.....	<i>as in first term,</i>	1
Anthropology, Zoölogy.....	<i>as in first term,</i>	1
Original Declamations.		

* In the Junior year the students in the Classical Course have the option between Mathematics (the Calculus) and Philosophy (Law and Economy).

SENIOR CLASS.

FIFTH YEAR—FIRST TERM.

		Hours per week.
French	{ <i>Robertson's Grammar, Roemer's Polyglot Reader, Roemer's Cours de Lecture, Vols. I, II, Roemer's French Idioms,</i>	
or		
German	{ <i>Sheldon's Grammar, Whitney's Reader,</i>	5
or		
Spanish	{ <i>Ollendorff's Grammar, Morales' Reader, Butler's Phrases, Iriate's Fables, Roemer's Spanish Polyglot, and English Polyglot,</i>	
Latin	{ <i>Crutwell's Roman Literature, Grammar, Harrington's Plautus,</i>	3
Greek	{ <i>A Play of Æschylus or Sophocles or Euripides. Selections from Herodotus and Thucydides, Jevons' Greek Literature, Grammar,</i>	3
Chemistry	<i>Bloxam, Clowes' Practical Chemistry,</i>	3
Psychology	{ <i>Lectures and Janes' Human Psychology, Porter's Intellectual Science,</i>	4
Pedagogics*	<i>Lectures,</i>	
Geology, Mineralogy, and Palæontology	<i>Lectures and Dana,</i>	1
Æsthetics and the History of Art	<i>Lectures,</i>	1
Original Declamations		

FIFTH YEAR—SECOND TERM.

French	.....	as in first term,	5
or			
German	.....	
or			
Spanish	.....	
Latin	.....	<i>Cicero's De Natura Deorum, Maclean's Juvenal,</i>	3
Greek	.....	{ <i>A Play of Aristophanes, Lectures on the Language and Literature, Jevons,</i>	3
History of Philosophy, Ethics	..	<i>Lectures and Elmendorf, Janet,</i>	4
Chemistry	.....	<i>Ueberweg,</i> <i>as in first term,</i>	3
Geology, Mineralogy, Palæontology	.....	<i>as in first term,</i>	1
Æsthetics and the History of Art	.....	<i>as in first term,</i>	1
Original Declamations			

* Lectures on Pedagogics are delivered during the first term by the Professor of Philosophy.

SCIENTIFIC COURSE.

SUB-FRESHMAN CLASS.

	FIRST YEAR—FIRST TERM.	Hours per week.
English Language.....	<i>{ Brown's Institutes of English Grammar, } Poetical Selections,</i>	3
French.....	Vannier, Robertson's Grammar,	5
Geometry.....	Davies' Legendre,	5
Botany.....	Kellerman,	2
Free-hand Linear Drawing.....		3
Elements of Physics.....	Lectures and Cooley,	2

FIRST YEAR—SECOND TERM.

English Language.....	Abbott's "How to Write Clearly,"	3
French.....	as in first term, and Roemer's Cours de Lecture, Vol. I,	5
Algebra.....	Wentworth,	5
Anatomy.....	Lectures,	2
Free-hand Linear Drawing.....		3
Elements of Physics.....	as in first term,	2

FRESHMAN CLASS.

SECOND YEAR—FIRST TERM.

English Synonyms.....	Graham,	1
French.....	<i>{ Roemer's Cours de Lecture, Vol. I, Roemer's Polyglot Reader, Robertson's Grammar, }</i>	3
German.....	Eysenbach's Grammar,	2
or.....		2
Spanish.....	<i>{ Ollendorff, Morales' Reader, Buller's Phrases, Iriarte's Fables, }</i>	2
History.....	Myers' General History,	3
Algebra.....	Loomis,	2
Geometry.....	Davies' Legendre,	3
Zoölogy.....	Lectures and Orton,	2
Descriptive Geometry.....	Woolf,	4
Compositions.		

SECOND YEAR—SECOND TERM.

English Synonyms.....	as in first term,	1
French.....	Roemer's Cours de Lecture, Vol. II, and Polyglot Reader,	3
German.....	as in first term,	2
or.....		2
Spanish.....	as in first term,	2
History.....	Freeman's General Sketch,	3
Geometry.....	Davies' Legendre,	2
Plane Trigonometry and Mensuration.	<i>{ Wheeler. Loomis' Logarithms, Compton's Manual, }</i>	3
Shades, Shadows and Perspective.....		4
Zoölogy.....	as in first term,	2
Compositions.		

SOPHOMORE CLASS.

THIRD YEAR—FIRST TERM.

		Hours per week.
English Literature.....	.....Shaw,	2
Rhetoric.....	.....Bain's Manual,	2
Logic.....	.....Jevons,	1
French.....	{ Roemer's <i>Cours de Lecture</i> , Vols. II and III, Robertson's } { Grammar, Roemer's French Idioms,	2
{ German.....	.....Whitney's Reader, Eysenbach's Grammar,	3
or		
{ Spanish.....	Iriarte's Fables, Ollendorff, Roemer's Polyglot Readers,	}
History.....	.....Thompson's History of England,	2
Spherical Trigonometry, Surveying and Navigation..	Wheeler and Docharty,	3
Free-hand Drawing—Course of Ornament.....		3
Chemistry.....	Clowes' Practical and Analytical Chemistry,	2
Compositions and Declamations.		

THIRD YEAR—SECOND TERM.

English Literature.....	.....as in first term,	2
Rhetoric.....	.....as in first term,	2
Logic.....	.....as in first term,	1
French.....	.....as in first term,	2
{ German.....		}
or		
{ Spanish.....	.....as in first term,	3
History.....	.....as in first term,	2
Analytical Geometry.....	.....Peck,	3
Drawing and Study of the Antique and Figure.....		3
Chemistry.....	.....as in first term,	2
Compositions and Declamations.		

JUNIOR CLASS.

FOURTH YEAR—FIRST TERM.

English Language and Literature, Poetry....	Shaw and Printed Selections,	2
{ German.....	Eysenbach's Grammar, Pütz's Reader,	}
or		5
{ Spanish.....	{ Moratin, Don Quixote, Roemer's Polyglot Reader, Morales' Reader,	}
Political Science.....	{ Lectures and Cooley's and Kent's Constitutional Law, Woolsey's International Law,	3
Differential and Integral Calculus.....	.....Peck,	3
Chemical Physics.....	.....Fiske, Pynchon,	2
History.....	Lectures and Eliot's History of the U. S.,	1
Acoustics and Optics and Heat.....	.....Lectures and Bartlett,	3
Anthropology, Zoölogy.....	.....Lectures and Tenney,	1
Original Declamations.		

FOURTH YEAR—SECOND TERM.

	Hours per week.
English Language and Literature, Prose.. { <i>Brooke, Shaw, and Printed Selections.</i>	2
{ German	
{ or	
{ Spanish.....	as in first term, 5
Political Economy..... <i>Lectures and Walker's Political Economy,</i>	3
Differential and Integral Calculus..... <i>as in first term,</i>	3
Chemical Physics..... <i>as in first term,</i>	2
History	as in first term, 1
Acoustics and Optics and Heat..... <i>as in first term,</i>	3
Anthropology, Zoölogy..... <i>as in first term,</i>	1
Original Declamations.	

SENIOR CLASS.

FIFTH YEAR—FIRST TERM.

Spanish	{ <i>Ollendorff's Grammar, Butler's Phrases, Iriarte's Fables, Roemer's Polyglot Reader,</i>	5
or	{ <i>Sheldon's Grammar, Whitney's Reader,</i>	
German.....	{ <i>Grammar, Leighton's Lessons, Harkness' Cæsar,</i>	
or	{ <i>Herbermann's Sallust,</i>	
Latin	{ <i>Lectures and Janes' Human Psychology,</i>	
Psychology	{ <i>Porter's Intellectual Science,</i>	4
Pedagogics.....	{ <i>Lectures,</i>	
Chemistry.....	<i>Bloxam, Cloves' Practical Chemistry,</i>	3
Mechanics and Astronomy.....	<i>Bartlett,</i>	5
Geology, Palæontology and Mineralogy.....	<i>Lectures and Dana,</i>	1
Æsthetics and the History of Art.....	<i>Lectures,</i>	1
*French or German.....		1
Original Declamations.		

FIFTH YEAR—SECOND TERM.

Spanish	as in first term, 5
or	
German.....	
or	
Latin.....	{ <i>Grammar, Leighton's Lessons, Chace's Cicero, Frieze's Virgil's Aeneid,</i>
History of Philosophy, Ethics.....	<i>Lectures and Elmendorf, Janet, Ueberweg,</i>
Chemistry.....	<i>as in first term,</i>
Mechanics and Astronomy.....	<i>as in first term,</i>
Geology and Palæontology, Mineralogy.....	<i>as in first term,</i>
Æsthetics and the History of Art.....	<i>as in first term,</i>
French or German.....	
Original Declamations.	

*In the Senior year the students of the Scientific Course may, at their option, have one lesson a week in French, or in the second modern language.

MECHANICAL COURSE.

SUB-FRESHMAN CLASS.

	FIRST YEAR—FIRST TERM.	Hours per week.
English Language.....	<i>Brown's Institutes of English</i> { <i>Grammar, Poetical Selections,</i> }	3
French.....	<i>Vannier, Robertson's Grammar,</i>	5
Geometry.....	<i>Davies' Legendre,</i>	5
Free-hand Linear Drawing.....		3
Elements of Physics.....	<i>Lectures and Cooley,</i>	2
Workshop and Mechanical Theory.....		5

FIRST YEAR—SECOND TERM.

English Language.....	<i>Abbott's "How to Write Clearly,"</i>	3
French.....	<i>as in first term, and Roemer's Cours de Lecture, Vol. I,</i>	5
Algebra.....	<i>Wentworth,</i>	5
Free-hand Linear Drawing.....		3
Elements of Physics.....	<i>as in first term,</i>	2
Workshop and Mechanical Theory.....		5

FRESHMAN CLASS.

SECOND YEAR—FIRST TERM.

English Synonyms.....	<i>Graham,</i>	1
French.....	{ <i>Roemer's Cours de Lecture, Vol. I, Roemer's Polyglot Reader, Robertson's Grammar,</i>	3
German.....	<i>Eysenbach's Grammar,</i>	2
History.....	<i>Myers' General History,</i>	3
Algebra.....	<i>Loomis,</i>	2
Geometry.....	<i>Davies' Legendre,</i>	3
Descriptive Geometry.....	<i>Woolf,</i>	4
Workshop and Theory.....		5
Compositions.		

SECOND YEAR—SECOND TERM.

English Synonyms.....	<i>as in first term,</i>	1
French.....	<i>Roemer's Cours de Lecture, Vol. II, and Polyglot Reader,</i>	3
German.....	<i>as in first term,</i>	2
History.....	<i>Freeman's General Sketch,</i>	3
Geometry.....	<i>Davies' Legendre,</i>	2
Plane Trigonometry and Mensuration.	{ <i>Wheeler, Loomis' Logarithms,</i> <i>Compton's Manual,</i>	3
Shades, Shadows and Perspective.....		4
Workshop and Theory.....		5
Compositions.		

SOPHOMORE CLASS.

THIRD YEAR—FIRST TERM.

	Hours per week.
English Literature.....	<i>Shaw,</i> 2
Rhetoric.....	<i>Bain's Manual,</i> 2
French ... { <i>Roemer's Cours de Lecture, Vols. II and III, Robertson's Grammar, Roemer's French Idioms,</i> }	2
German	<i>Whitney's Reader, Eysenbach's Grammar,</i> 3
History.....	<i>Thompson's History of England,</i> 2
Spherical Trigonometry, Surveying and Navigation... <i>Wheeler, Docharty,</i>	3
Drawing (Mechanical).....	3
Chemistry	<i>Clowes,</i> 2
Workshop and Theory.....	4
Compositions and Declamations.	

THIRD YEAR—SECOND TERM.

English Literature.....	<i>as in first term,</i> 2
Rhetoric	<i>as in first term,</i> 2
French.....	<i>as in first term,</i> 2
German.....	<i>as in first term,</i> 3
History.....	<i>as in first term,</i> 2
Analytical Geometry.....	<i>Peck,</i> 3
Drawing (Mechanical).....	3
Chemistry.....	<i>as in first term,</i> 2
Workshop and Theory.....	4
Compositions and Declamations.	

JUNIOR CLASS.

FOURTH YEAR—FIRST TERM.

English Language and Literature, Poetry... <i>Shaw, and Printed Selections,</i>	2
German..... <i>Eyseubach's Grammar, Pütz's Reader,</i>	5
Political Science..... { <i>Lectures and Cooley's and Kent's Constitutional Law, Woolsey's International Law,</i> }	3
Differential and Integral Calculus.....	<i>Peck,</i> 3
Chemical Physics.....	<i>Fiske, Pynchon,</i> 2
History..... <i>Lectures and Eliot's History of the U. S.,</i>	1
Acoustics and Optics and Heat.....	<i>Lectures and Bartlett,</i> 3
Anthropology, Zoölogy.....	<i>Lectures and Tenney,</i> 1
Workshop and Theory.....	3
Original Declamations.	

FOURTH YEAR—SECOND TERM.

		Hours per week.
English Language and Literature, Prose.....	{ <i>Brooke, Shaw, and</i> { <i>Printed Selections,</i> }	2
German.....	as in first term,	5
Political Economy.....	<i>Lectures and Walker's Political Economy,</i>	3
Differential and Integral Calculus.....	as in first term,	3
Chemical Physics.....	as in first term,	2
History.....	as in first term,	1
Acoustics and Optics and Heat.....	as in first term,	3
Anthropology, Zoölogy.....	as in first term,	1
Workshop and Theory.....		3
Original Declamations.		

SENIOR CLASS.

FIFTH YEAR—FIRST TERM.

Theory of Prime Movers.....		5
{ Psychology	{ <i>Lectures and Janes' Human Psychology,</i>	
{ Pedagogies.....	{ <i>Porter's Intellectual Science,</i>	
	<i>Lectures,</i> }	
Chemistry.....	<i>Bloxam, Clowes,</i>	3
Mechanics and Astronomy.....	<i>Bartlett,</i>	5
Geology, Palæontology and Mineralogy.....	<i>Lectures and Dana,</i>	1
Æsthetics and the History of Art.....	<i>Lectures,</i>	1
Workshop, Drawing and Theory.....		4
Original Declamations.		

FIFTH YEAR—SECOND TERM.

Theory of Prime Movers.....		5
History of Philosophy, Ethics..	<i>Lectures and Elmendorf, Janet, Ueberweg,</i>	4
Chemistry.....	as in first term,	3
Mechanics and Astronomy.....	as in first term,	5
Geology and Palæontology, Mineralogy.....	as in first term,	1
Æsthetics and the History of Art.....	as in first term,	1
Workshop, Drawing and Theory.....		4
Original Declamations.		

DEPARTMENTS OF STUDY.

The following statements are intended to explain the ground gone over in the several departments and the methods pursued:

ENGLISH LANGUAGE AND LITERATURE.

The training in English commences in the Sub-Freshman year, with a brief but comprehensive review of the analysis of the English sentence. This is immediately followed by instruction in punc-

tuation, based on the structure of the sentence, and by the correction of false syntax. A brief course in the more common figures of speech and in the elements of versification comes next. The student is now required to memorize short poetical selections from the best writers, and his previous training is brought to bear in the minute analysis of these selections, thus thoroughly riveting on his memory his previous instruction. This closes the work of the first term. In the second term Abbott's "*How to Write Clearly*" is the text-book. The sentences are written out at home, and corrected by the student. In the recitation room he is required to give clear reasons for the corrections, based on the principles or rules laid down by the author.

Throughout the Freshman or second year, the entire time, one hour a week, is given to the study of *Graham's Synonyms* in the text, and in the correction of examples. Combined with this there is also instruction given in etymology.

In the Sophomore year the history of English literature is pursued, with *Shaw* as a text-book. A knowledge of the chronological arrangement of English authors, their chief works, together with the leading facts in their lives is what is chiefly aimed at. The importance of being able to fix the time and place in English literature of leading authors cannot well be overestimated. Rhetoric, *Bain's*, is begun and finished during the year, and written compositions are required from the entire class during both terms.

The students are now prepared for the higher instruction in English Language and Literature during the Junior year. The text-book is here thrown aside, and oral lectures, together with the reading of selections forms the business of the year. The Professor reads to the students and the selections are in their hands while he reads. In this way he endeavors to create and strengthen a taste for the best prose and poetry. The first term's work deals entirely with poetry, the second term's with prose. The aim in both terms is to furnish a philosophical classification of writers, through analysis and criticism. In the second term, in particular, the reading and analysis of the prose writers enables the instructor to give special attention to the striking characteristics of the great masters of English prose. The instruction of the second term deals also with the condition of the language in

the fourteenth century, and proceeding onwards, develops, through the selections and readings, the gradual progress of English speech to our own times.

Compositions are required from Juniors and Seniors during both terms. After having been examined by the Professor and his Assistant, these compositions are delivered as orations on the chapel stage. The training in Elocution by a special instructor is under the supervision of the Professor of English.

LATIN LANGUAGE AND LITERATURE.

This department comprises a longer and a shorter course. The five years course begins, in the Sub-Freshman Class, with the elements of the language, and includes the authors generally studied in colleges. That the students of this College are enabled to cover so much ground in five years, is due to several causes. In the first place, they begin the study at a much more advanced age than boys in classical preparatory schools. In the next place, considerable time is devoted to it in the two highest classes, where in many colleges it disappears wholly from the plan of studies. Again, the training proceeds upon a uniform method from first to last. Lastly, the thoroughness of the College examinations secures classes of nearly uniform acquirements, so that the progress of the class is not retarded by the presence of ill-prepared students.

As the object of all good teaching is to make the scholar independent of the teacher, the department aims, above all else, to impart to the students correct methods. Hence two years are devoted wholly to the study of the prose-writers on which the syntax is based (*Cæsar, Cicero, Sallust*). Only when the students are able to feel a deviation from the rules there laid down do they take up *Virgil* and *Horace*, and the ante-classic and post-classic writers. To keep before them the ideal of classic prose, some of *Cicero's writings* are read in the Junior and Senior years. To make the study of Latin a means of acquiring a more thorough command of the mother tongue, idiomatic translation is insisted on. Whilst grammatical construction is everywhere carefully explained, care is taken that the scholar shall not forget that, in every literature, language is but the dress of thought. Hence

the subject matter is explained thoroughly and illustrated by reference to history, mythology, art, social and political antiquities, law and etymology.

A course of one year is open to such of the Scientific Seniors as elect it. Their previous language studies enable them to make rapid progress. They read selections from *Cæsar* and *Sallust*, an oration of *Cicero* and a book of *Virgil*.

GREEK LANGUAGE AND LITERATURE.

The study of Greek is begun in the Freshman year. The students learn the paradigms, the orthography, and the general rules or syntax, complete a course of fifty-five lessons in *White's Lessons in Greek*, and read two chapters of the first book of the *Anabasis*.

In the Sophomore year Etymology and the general rules of Syntax are thoroughly reviewed and the details studied. There are weekly exercises in the elements of Greek prose composition.

Selected passages are read in the first four books of the *Anabasis*, the *Memorabilia* and a dialogue of *Plato*; about fifty pages in all. In the first the attention of the students is directed to the historical and geographical allusions, and in the last two, in addition to these, to the doctrines and opinions propounded. During this year a parallel is drawn between the Greek and Latin syntax, thereby greatly aiding the student; and the difference of the English idioms dwelt upon.

In the Junior year the exercises in composition are continued. Attention is directed to the formation of words. Either three popular orations of Demosthenes or selections from the *De Corona* are read, with attention to history and geography, and a critical analysis of the orator's style. About two books of either the *Iliad* or the *Odyssey* are read, attention being given to the scansion and Homeric syntax and dialect; and the Homeric question is presented.

The Seniors read selections from Herodotus and Thucydides, accompanied with criticism of the styles and short lectures on the historical episodes discussed. Also there are read portions of a tragedy and an entire comedy. Lectures are given on the drama and theatre, and on the Greek language and literature.

FRENCH LANGUAGE AND LITERATURE.

In the Scientific and Mechanical Courses, French is studied by all the students during three years, and optionally by some in the Senior year.

In the first term of the Sub-Freshman year, the course is merely practical, and little attention is paid to the grammar. To this the student is introduced more particularly in the second term, during which the exercises include written translations of easy French narratives and the construction of French sentences according to grammatical rules.

In the Freshman year, the work consists, *first*, of oral translation from the French, based upon logical and grammatical analysis, and aiming at the idiomatic rendering into English of the foreign text; *second*, of retranslation and phraseological exercises, both by imitation and by application of the grammar.

In the Sophomore year, the time is devoted, *first*, to the written translation of English selections into French; *second*, to the reading of passages from modern novels and plays; *third*, to giving oral and written *résumés* of these passages.

In the optional Senior course of one hour weekly, some short work of modern prose is read critically, and a series of lectures is delivered on the history of the French language and of the Norman-French in England.

For students of the Classical Course who elect French in the Senior year, the course is so modified as to apply to advantage their previous training, especially their knowledge of Latin.

The students in the Mechanical division follow the course above laid down for the Scientific students with appropriate modifications.

The text-books used in this department are *Robertson's Method* and the professor's *Cours de Lecture, Etude Raisonnée, Contes et Mélanges, Histoire et Roman Historique* and *Polyglot Reader*.

GERMAN LANGUAGE AND LITERATURE.

Eysenbach's Grammar is introduced at the beginning of the Freshman year—during which it is the only book put into the students' hands—continued at the rate of one lesson a week through the Sophomore year, and of two lessons a week through the Junior year, at the close of which it is completed. In the

Sophomore and Junior years, selections in prose and verse are read. Those students who choose to continue in this department through the Senior year read in Goethe, also a comedy and a scientific essay; they are exercised in composition and conversation.

In the one-year Senior course, also, the work proceeds in the direction above stated; but, of necessity, is less extended.

In both courses poetry is memorized, and prose is so learnt that the students can produce the German when the teacher gives the translation.

SPANISH LANGUAGE AND LITERATURE.

The study of the Spanish language and literature is carried on in all three courses—the Classical, the Scientific, and the Mechanical.

The Scientific students begin Spanish in the Freshman year. The elements of the language are acquired by the study of selections from *Butler's Phrase Book*, and the reading of selections in prose and verse from *Iriarte* and *Morales' Reader*.

In the Sophomore year, *Quintana's Lives* are read, exercises in dictation are added, and *Sales' Grammar* and *Pizaro's Phrases* are used.

The Juniors review the grammar by the study of Sales' work; they translate Moratín's comedy, *El si de las Niñas*, and selections from *Don Quijote*; make oral and written translations of English selections of various styles; write Spanish compositions; and study Spanish versification and literature.

The work of the Classical students in the Senior Class does not differ materially from that outlined above, except as it is affected by the shortness of the course; which is, however, in a degree compensated for by the greater maturity and better preparation of the class.

Spanish is also taught in the Mechanical Course. The instruction is in the main the same as in the Scientific Course; but it is also adapted to the special wants of the students.

In all the classes practical exercises in dictation, translation, analysis, composition and conversation are considered of great importance.

HISTORY.

The History course extends through the Freshman, Sophomore and Junior years in all the courses. The Freshman Class study *Myers' General History* and *Freeman's General Sketch*, with map illustrations and exercises.

This general view of the history of Europe is succeeded, in the Sophomore class, by the thorough study of English history. *Thompson's History* is taken as a guide, but the instructors add largely, by explanation and lecture, to the matter contained in the text-book.

In the Junior year lectures are delivered upon American topics —the aim of the course being not only to extend the student's knowledge in this field, but also to lead him into critical and comprehensive methods of studying the history of his own country. The important events from the period of discovery to the present times are examined mainly with reference to their causes and influence, while due attention is paid to institutional history. Topics such as the following are treated : The gradual unfolding of the New World to the Old ; the struggle for possession here by European powers ; Colonial life and tendencies ; the growth of liberty and of local self-government, involving the relation of American history to English ; the Revolution ; the new order of things ; history of American politics, etc. Students are called upon to discuss the subjects in the class-room, where they also become familiar with the standard and, as far as possible, original authorities on American history. *Eliot's History of the United States* is used as a reference book.

The Historical Cabinet contains a collection of electroypes of nearly four hundred of the finest ancient coins in the British Museum ; the obverse and the reverse of each coin being shown. The arrangement exhibits, chronologically and geographically, the history of coinage from 700 B. C. to the Christian era. An additional section, one of a small number yet seen in the United States, exhibits the most famous medallions struck from A. D. 1 to 217. The whole collection is the gift of the class of '75.

PHILOSOPHY.

The studies in this department are commenced in the Sophomore year. Logic, deductive and inductive, is then studied, as a

discipline preparatory to the whole course. *Jevon's Lessons* is used as a text-book, and the students are taught to practically apply logical principles by means of numerous exercises, written and oral.

The philosophical studies of the Junior year are in the field of political and social science. The first term is devoted to political science. A course of lectures is given, indicating the foundations of law and government in human nature, tracing the growth of law and governmental forms and the development of the modern constitutional state, and discussing questions in the philosophy of government and legislation. American constitutional law is studied in *Cooley's* and *Kent's* expositions, with comparison of our own and other systems. A brief view of international law is given, *Woolsey's* manual being used as a basis. In the second term economic science is taken up; the intimate connection of the economic with the political structure and development of society having already been considered, the study continues to be one of social development, but in its economic phase. Walker's text-book is used, with extended comments, and lectures are given on special topics, such as the money system of the United States. U. S. Finance Reports have been furnished for study.

The Senior year studies are, Psychology, Philosophy and Ethics. The principles of Pedagogics, as based in Psychology, are treated of, in connection with Psychology, but in a separate course of lectures on theory of teaching.

The instruction of the year is chiefly by lectures, with selections from manuals and with directions for reading. In Psychology, the aim is to present a descriptive view of the phenomena and laws of mental action, and also, without dwelling much on philosophical questions, to make the study lead up to philosophy. The positions of different schools on controverted points are noticed. Attention is given to physiological psychology.

The subjects of the second term are, General Philosophy and Ethics. The philosophical doctrines and systems of most historic importance are, as far as time admits, examined and the development or speculative thought traced, to aid in elucidating the principal questions now discussed by philosophers. Political, educational and ethical theories are examined, and select topics in practical ethics are discussed, with the aid of *Janet's Manual*.

Theses on assigned topics in the course are prepared and discussed by students during the Junior and Senior years.

MATHEMATICS.

The course in Pure Mathematics is the same for all students as far as the close of the Sophomore year.

The Sub-Freshman Class study *Davies' Legendre* through the fifth book, with additional problems and theorems from the appendix and elsewhere, and *Wentworth's Algebra* from the beginning to Arithmetical Progression.

The Freshman Class complete the Geometry ; they study Mensuration and Plane Trigonometry, using *Wheeler's Treatise* as a text-book, and higher Algebra, including the theory of Logarithms from *Loomis' Treatise* ; and are practiced in logarithmic computation, using *Compton's Manual*.

In the first term the Sophomore Class go through *Wheeler's Spherical Trigonometry*, *Docharty's Surveying and Navigation*, and in the second term, *Peck's Analytical Geometry*, embracing the Geometry of Three Dimensions as far as Surfaces of Revolution.

Mathematics is not obligatory upon classical students beyond the Sophomore year ; but such as may elect to pursue the study join the students of the Scientific and Mechanical Courses in the study of Calculus, which is the work of the Junior year. *Peck's Treatise* is used as a text-book, and is completed as far as the Applications to Mechanics and Astronomy.

APPLIED MATHEMATICS.

In the Scientific Course, the studies of Pure and Applied Mathematics afford the student such intellectual training and such knowledge of Mathematics, Mathematical Physics, Mechanics and Astronomy as to materially lessen the time that will be required for the study of a specialty in any of the schools of civil, mechanical or mining engineering. A graduate of good standing in the Scientific or the Mechanical Course will be able to master in two years, or less, the studies usually pursued in such schools.

In the Scientific and Mechanical Courses, in the Junior year, while the student is acquiring, in the department of Pure Mathe-

matics, the knowledge of the Calculus necessary for the study of Analytical Mechanics, he attends recitations and lectures on Acoustics and Optics, only such elementary mechanical principles being taught as are necessary to the understanding of those subjects. Near the end of the Junior year the study of *Bartlett's Analytical Mechanics* is commenced, and it is continued during the first term of the Senior year. Much additional matter is given in the way of illustrations and problems applying the principles taught to practical ends. In the second term of the Senior year the subject taught is Spherical Astronomy. The endeavor is made to show how the science has grown up, how its discoveries have been made, how it explains the phenomena of the heavens, to teach the general principles of the adjustment and use of instruments, and the methods of making and recording observations, and the application of Astronomy to the uses of the surveyor and navigator.

While the studies just described are common to the Scientific and the Mechanical Courses, in the latter, further application is made of the principles of mechanics, to the study of the forms and functions of the parts of engines, the theory of prime movers, and the construction, testing and management of engines.

The scope of the instruction in the Classical Course is less extended. All that is sought is to give a general idea of the principles of Mechanics, Acoustics, Optics and Astronomy, with very little Mathematical Analysis. Of the four hours per week allotted in the Junior year to this department, generally about three are given to lectures and one to recitations.

The Post-Graduate course in Civil Engineering extends over a period of two years, and is open to students of special excellence in the Scientific and Mechanical Courses. It embraces a thorough course in the principles of engineering construction, the strength of materials, the theory of roofs and bridges, the operations of surveying, the adjustment and use of instruments, topographical drawing and engineering, and the preparation of plans, specifications and estimates. The students are exercised in field-work, partly under the direction of the Professor and partly in connection, as volunteer assistants, with engineering works which may be in progress in the vicinity.

CHEMISTRY AND PHYSICS.

The instruction in Chemistry is divided into an elementary and advanced grade.

The first is open to the students of the Sophomore Class and of the third year of the Mechanical Course. Two hours a week are spent in the large Laboratory recently erected. *Clowes' Practical Chemistry* is the text-book followed, and the students are provided with all the necessary apparatus to perform the experiments described. Manipulation of the gases is succeeded by a complete course in qualitative analysis.

The advanced grade is for the students of the Senior Class and of the fifth year of the Mechanical Course. Three hours a week are given to the study, one lecture on General Chemistry, and two hours in the Laboratory. *Bloxam's* is used as a text-book of Chemistry, while *Clowes' Practical Chemistry* serves to complete the study of qualitative analysis. The laboratory instruction for the Senior Class follows a specially prepared synopsis, arranged by the instructors in the Department. Through the study of Chemical Physics described below, the students of the advanced Chemical course are enabled to make use of apparatus essential to the thorough study of General Chemistry. In addition to the problems in qualitative analysis and chemical physics, the advanced grade provides for instruction in the outlines of Applied Chemistry, and of volumetric and quantitative analysis.

The equipment of the Chemical Laboratory is very complete ; its arrangement, as well as that of the desks, offers many facilities. The Lecture-room, which adjoins the Laboratory, is provided with all the necessary conveniences for lecture illustration. There is an extensive collection of the most important chemical elements and their compounds ; also a collection of the ores and other natural specimens illustrating the chief forms in which the elements occur. Both these collections receive constant additions. The College now owns one of the most extensive sets of charts in the country, made by draughtsmen specially employed. The Preparation Laboratory contains a collection of numerous chemical products, forming a Museum of Manufactures.

The subjects of Heat, Light and Electricity, and such other parts of Physics as have a direct bearing on Chemistry, are also taught in this department.

Two lectures are given each week on general experimental physics to the students of the Sub-Freshman Class. These lectures are very fully illustrated by experiments and charts. The students are required to take notes, and are marked upon the correctness and fullness of the same. *Cooley's Physics* is given as a text-book for home study. Many simple experiments, capable of repetition at home, are presented, and the advice given to the students to construct apparatus and make experiments is found to be followed in many instances.

The students of the Junior Class and of the fourth year of the Mechanical course listen to one lecture a week, and have one hour in the Laboratory devoted to study of themes bearing either upon the generation of the forces of nature or of those closely allied to the thorough comprehension of Chemical Physics.

The Cabinet of Physical Apparatus is now provided with many instruments, having received large additions during the past three years. There are about 2,300 pieces of Physical Apparatus. A special Laboratory for the manipulation of the apparatus adjoins the one used for Chemistry. Besides this, there is a Balance-room, which contains some fine instruments. A Dark-room serves for demonstration in the use of the Spectroscope and Polariscopic and in Photography. There is also a Photo-metric room. The Photometer is arranged for the comparison of two gases as well as for the determination of the candle-power of one. The College dynamo-machines, four in number, supply the electric currents necessary for experimentation and lantern projection.

Pynchon's Chemical Physics and Fiske's Electrical Engineering are used as the text-books for the advanced grade. Notes must be taken of the lectures, and also of the experiments performed in the Laboratory, and reports from these submitted.

NATURAL HISTORY.

The arrangement of the studies in this department is as follows:

SUB-FRESHMAN—	{ Botany. Anatomy. } Two hours per week.	Text-book (<i>Kellerman</i>) and Lectures.
FRESHMAN—	Zoölogy. Two hours per week.	Text-book (<i>Orton</i>) and Lectures.
JUNIOR—	Anthropology. One hour per week.	Lectures.
SENIOR—	{ Mineralogy. Palæontology. Geology. } One hour per week.	Text-book (<i>Dana</i>) and Lectures.

As the object of the instruction is to teach the students to observe carefully, to record accurately—to know the thing *itself*—the class-room work is made, as far as possible, practical.

The course is essentially a *biological* one. The general relations of the inorganic and organic worlds, the phenomena of life, and the structure and life-history of typical plants and animals are taught.

A good museum furnishes a great part of the material needed for illustration and study. Mounted specimens, photographs and dissections prepared in the College are being constantly added.

MUSEUM OF NATURAL HISTORY.

The collections contain 7,500 specimens: 550 of plants, 750 of vertebrata, 2,100 of invertebrata, 2,000 of minerals, and 2,100 of minerals, rocks and fossils.

A number of geological and mineralogical specimens have been added to the collection during the past year, and many objects for instruction in the Collegiate and Commercial Courses. For these the necessary case-room has been provided.

In addition to the material purchased by the College, the following gifts have been made:

- | | |
|---|--------------------------------------|
| 1. Birds' Eggs (Collection of), . . . | Mr. Bashford Dean. |
| 2. Brush-making Materials, . . . | Messrs. F. W. Devoe & Co. |
| 3. Conchological Specimens, . . . | Smithsonian Institute. |
| 4. " " | Mr. Townsend Harris. |
| 5. Corals of Florida (Collection of) . | Lieut.-Col. Walter McFarland, U.S.A. |
| 6. Craniological Specimens, . . . | Smithsonian Institute. |
| 7. Entomological Collection, . . . | Mr. Bashford Dean. |
| 8. Grain (Specimens of), | New York Produce Exchange. |
| 9. Leathers (Fancy), | Messrs. Tiffany & Co. |
| 10. Linens, Silks, Furs, Cottons, . . | " E. J. Denning & Co. |
| 11. Miscellaneous Textile Fabrics, . | " Claflin & Co. |
| 12. Unios of the United States, . . | Dr. Isaac Lea, Philadelphia. |
| 13. Vegetable Fibers, | Mr. J. H. Hollis, Cotton Exchange. |
| 14. Woods (Foreign and Fancy), . . | Messrs. J. L. Daniels & Co. |
| 15. Woolen Fabrics, | " Arnold, Constable & Co. |
| 16. Wools, | " Mangers & Avery. |
| 17. Fossils of S. Carolina (Collection of), | Mr. Wm. T. Rodenbach. |
| 18. S. American Woods (60 Specimens), | Messrs. T. D. & L. Hirsch. |
| 19. Fossils and Reptiles, | Professor S. Woolf. |
| 20. Birds of State of N. Y. (100 Spec.), | Mr. Louis A. Zeraga. |
| 21. Wading Birds (25 Specimens), . . | Mr. W. H. Chesebrough. |
| Game Fishes of Florida, | |
| 22. Butterflies and Moths (500 Spec.), | Mr. H. J. Muller. |
| 23. Set of Whaling Harpoons (11 Spec.), | Mr. Bashford Dean. |
| 24. Fishes (500 Spec.), largely South American, | Commissioner E. G. Blackford. |

DESCRIPTIVE GEOMETRY AND DRAWING.

The Sub-Freshman Class is practiced in Drawing in outline from the flat and the round; in surface shading in crayon or pencil, and in elementary perspective. The students draw geometrical forms, architectural and other ornaments of various styles, and the human head.

The Freshman class is instructed in Descriptive Geometry. No text-book is used; but the professor's *Elements of Descriptive Geometry* is used as a book of reference. The instructor lectures and demonstrates at the blackboard; each student solves every problem graphically in his drawing-book. The subject is carried through Sections and Intersections, Tangency and Development, and is applied to carpentry, machinery and architecture. Practice in tinting and in drawing from actual models of machinery is given from time to time. In the second term, the subjects pursued are Shades and Shadows, and Perspective. Shadows are determined in artificial and natural light; the principles of reflection are taught. Application is made occasionally to mechanical, architectural and artistic drawing.

In the Sophomore year, the students draw from the Cast, either ornaments or organic forms, according to individual ability; they shade in charcoal, crayon, etc.

The professor delivers to the Senior Class a series of lectures on Æsthetics, and the History of Art and the several arts.

The casts belonging to this department are very fine, most of them having been taken from early molds. The collection contains many beautiful examples of the Phidian era, the most notable being a large number from the Frieze of the Parthenon, and a few of the best preserved metopes; the heroic statues of Theseus and Cephisus; a caryatid from the Erechtheion. These copies of the Elgin Marbles were given by Charles M. Leupp, Esq. There are, furthermore, the busts of Jupiter from Otricoli, the Venus of Milo, the Venus of Arles, Juno, the Apollo Belvedere, the Belvedere Torso, and examples of the work of Michael Angelo, Cellini and Thorwaldsen.

This department also makes use of a collection of about 275 photographs, the gift of the class of '75, framed and hung in the halls of the College, illustrating the architecture and sculpture of

the Greeks and Romans, early Christian and Renaissance painting in Italy, and a number of the most noted buildings of all European countries. Each print is marked with the name, the date of production and the present location of the subject represented. East Indian architecture is likewise illustrated by a number of photographs lately purchased by the College.

THE LIBRARY.

The Library of the College contains 26,180 volumes. These are distributed as follows:

Philosophy,	1,172	Greek Literature,	638
Theology,	934	Roman "	718
Mathematics,	408	French "	703
Science,	3,214	Spanish and Italian Literature,	288
History,	5,327	German Literature,	939
Biography,	1,668	Philology and Linguistics,	768
Voyages,	1,223	Works of Reference,	597
Art,	877	Bibliography,	183
Law,	385		
English Literature,	3,080	Total,	26,180
Periodicals,	3,058		

Books may be taken from the library by the students as well as the instructors; by the Alumni upon a deposit of ten dollars; and by the teachers of the common schools of the city.

The books have been purchased with the money apportioned to the College, while known as the Free Academy, as its share of the Literature Fund of the State; from the income of \$5,000 bequeathed by Mr. Ephraim Holbrook; from the income of \$30,000 bequeathed by Mr. Seth M. Grosvenor; and with money which has at various times been appropriated by the Board of Trustees. Many books have been presented by publishers and others.

THE WORKSHOP.

Connected with the College is a workshop in which instruction is given in mechanical manipulation and the elements of mechanical theory. The shop is a room 118 feet by 35 feet, divided into four nearly equal parts. Of these the first, the wood-working room, contains fifteen double benches, with closets and tools, for a class of thirty. The second, for forge and vise-work, contains six forges, twenty anvils, two benches with fifteen vises, a bench for molding, and an assortment of forge and vise-tools. It has accommodation for a class of thirty pupils. The third, or lathe-

room, contains twenty-six speed-lathes for wood and metal-turning, four engine-lathes, a planer, a circular saw, and two testing-machines, affording, like the others, accommodation for thirty students. The fourth contains a horizontal steam-engine of twenty-five horse-power, which drives the lathes and grind-stones, as well as the dynamos which furnish electric currents for experimental purposes and for the illumination of the shops. There is also, in an adjoining room, a gas-engine of eight horse-power to take the place of the steam-engine when less power is required, and also a small vertical steam-engine, so arranged that it may be taken apart by students to allow of the study of its construction.

The Course of Study in the Workshop extends over the whole five years of the Mechanical Course, and over such portion of this time as may be found practicable for those students of the other courses who may elect it. For the complete course, the exercises and studies in the shop are as follows :

First Year—Theory and use of wood-working tools ; properties, defects, treatment and preservation of timbers ; use of testing-machine in the testing of timber.

Second Year—Theory and use of metal-working tools ; properties of metals and modes of working and testing them.

Third Year—Joining metals by riveting, soldering and brazing ; use of the speed-lathe ; study of the parts of the steam-engine from drawings, models, descriptions and examination of engine.

Fourth Year—Use of the engine-lathe ; screw-cutting, boring, turning, facing ; measures of precision ; scraping, finishing and fitting.

Fifth Year—Strength of materials ; proportioning of parts of engines ; managing and testing of engines.

DISCIPLINE.

Every student shall conduct himself according to the rules of good manners, good morals and manly propriety ; shall give punctual and constant attention to all his duties ; shall use the property of the institution with care and economy, and restore the same when required. Violations of the rules of the College and of propriety are visited with punishment, which varies, according to the gravity of the offense, from demerit marks and

formal admonition to suspension by direction of the President, and dismissal by vote of the Faculty. No student is demerited without receiving notice of the fact and the reason. A student who has received 100 demerit marks in one term, or 175 in one academic year, must leave the College.

EXAMINATIONS.

There are two examinations of all the students in all departments each year. The first is held at the close of the first term in January. It extends over a fortnight, and is really a rapid review of the studies of the term. It is conducted by means of oral recitations, and in accordance with the schedule of recitations pursued during the term. The difference lies mainly in the greater length of the daily lessons and the omission of explanations on the part of the instructor. If, upon the termination of this review, it appears to the Faculty that a student has fallen so far behind as to make it unprofitable for him to attempt to proceed or to make him a drag upon his class, he is not allowed to continue with it. The second examination is held at the close of the second term, in June; it extends over eight working days. It is conducted mainly in writing, so that all the students in the class are examined at the same time and subjected to the same tests. The results of the examination are carefully considered by the Faculty. Those students who have done but indifferently in all or many of the studies, and those also who are seriously deficient in several, and it may be in only one, are not advanced. They may, if their parents desire it, devote another year to the same division of the course; but no student is allowed to go over the same grade more than twice.

ALLOWANCE OF MARKS.

1. No student who is absent from any College exercise during the term, except as stated in Rule 3, shall receive any mark for the same until he has given to the President a sufficient explanation of his absence, and to the Instructor satisfactory evidence, *within one week after such absence*, of having performed the duty assigned for the time of his absence.

2. No marks shall be allowed for absence more than twice in

any one term, nor for more than five consecutive days of absence in one term, except on a vote of the Faculty in each case.

3. For one day's absence in each term the President may, at his discretion, direct that a student shall be allowed his average mark for the fortnight in which such absence occurred.

4. In the Examination Review, marks may be allowed for absence of two days, and no more, if the student pass an examination in the work of the days of his absence.

5. A student absent from the Examination for Advancement, for good cause, may be examined subsequently for the purpose of determining whether he shall be advanced or not. But no mark shall be given for such examination. At the close of the student's course, however, the Faculty may, on his application, allow for the examinations from which he was absent the average mark of the student in all the examinations in the same department.

MERIT ROLL.

The Merit Roll is made up immediately after the second examination, and is published once a year. On this roll each student is ranked according to his standing in his class, determined by his merit-marks received for study and conduct during the two terms and at the examinations.

The Merit Roll maximum for each term in any subject is ascertained by multiplying the number of recitations in a week in that subject by one hundred; one-half of this maximum is for the term-work, and one half for the examination.

The maximum of conduct for a term is two hundred, and the conduct-mark of each student is determined by deducting from such maximum all his demerit-marks.

On the Merit Roll the students are classified as Highest, High, Good and Low.

The student who has the greatest number of marks in his class ranks Highest.

Students rank High the total of whose marks, in study and conduct together, equals or exceeds eight-tenths of the maximum.

Students rank Good the total of whose marks equals or exceeds six-tenths of the maximum.

The remaining students rank Low.

A copy of the Merit Roll is sent to the parent or guardian of each student.

COMMENCEMENT.

The Commencement of the College is held on the fortieth Thursday after the opening of the first Term.

COMMENCEMENT HONORS.

1. Not more than six orations and dissertations shall be delivered by the students at Commencement.
2. No oration or dissertation shall occupy more than ten or less than seven minutes in its proper delivery.
3. The orators at Commencement shall be the first six members of the Graduating Class in rank, counting from the beginning of the Freshman year to the close of the Senior year.
4. The Valedictory oration shall be the first honor, and the Salutatory shall be the second ; the remaining honorary orations shall be numbered according to the rank of the students.
5. If any of these Honor-men, except the Valedictorian and the Salutatorian, have not received eight-tenths of the maximum in Oratory (Composition and Delivery), during the Senior year, their names shall be entered on the programme, marked Excused, and suitable substitutes, in order of rank, shall be appointed.
6. When the student below the sixth rank is thus appointed, his oration shall be entered on the programme as a dissertation. The dissertations shall be numbered according to the rank of the students appointed to deliver them.

MEDALS AND PRIZES.

THE PELL MEDALS.

In 1849, Duncan C. Pell, Esq., by the gift of \$500, established a gold medal, to be awarded annually to the student who shall rank highest in all the studies of the year taken together ; and in 1856, the donor authorized the trustees of the fund to devote a portion of the income to the provision of a silver medal, to be given to the student who shall rank second.

Trustees of the Fund :

THE CHAIRMAN OF THE BOARD OF TRUSTEES OF THE COLLEGE.

THE PRESIDENT OF THE COLLEGE.

THE HON. ABRAM S. HEWITT.

THE CROMWELL MEDALS.

In 1850, Charles T. Cromwell, Esq., by the gift of \$500, established a gold medal, to be awarded annually to the best scholar in History and Belles-Lettres ; and in 1856, the donor authorized the provision of a silver medal for the second scholar.

Trustees of the Fund :

THE PRESIDENT OF THE COLLEGE.

THE PROFESSOR OF HISTORY. THE HON. STUYVESANT FISH.

THE WARD MEDALS.

In 1853, Augustus H. Ward, Esq., established twenty bronze medals to be awarded annually, each for one of the studies appointed, to the student of most proficiency therein, provided he shall have regularly pursued such study for not less than two months of the collegiate year then closing ; a student gaining one medal not to be precluded from obtaining others at the same time or subsequently.

The subjects are : Chemistry, Natural History, Natural Philosophy, Moral Philosophy, Political Science, English, Greek, Latin, French, Spanish, German, Oratory, Composition, Logic, Astronomy, History, Drawing, Algebra and Geometry, Descriptive Geometry, Botany.

Trustees of the Fund :

THE EXECUTIVE COMMITTEE OF THE BOARD OF TRUSTEES.

THE RIGGS MEDALS.

In 1864, Elisha Riggs, Esq., by the gift of \$1,000, established a gold medal, to be annually awarded to the author of the best English Prose Composition in the Senior Class, and a gold medal to be awarded to the author of the best English Prose Composi-

tion in the Junior Class ; any surplus of income to be applied by the Trustees to further, in any way they may think best, the design of the donor to stimulate the cultivation of English Composition in the College of the City of New York. The competition is open to all who have received not less than four-fifths of the maximum in English Composition from the beginning of the Junior year. The names of the competitors must be handed to the President on or before the second Monday in February. The essays must be handed in on the first Monday in June.

Trustees of the Fund :

THE PRESIDENT OF THE COLLEGE.

THE PROFESSOR OF HISTORY.

THE PROFESSOR OF THE ENGLISH LANGUAGE AND LITERATURE.

THE CLAFLIN MEDALS.

In 1871, John Claflin, Esq., by the gift of \$1,250, established two gold and two silver medals, to be awarded as follows :

A gold medal to the student of the Senior Class who shall pass the best competitive examination in Greek ; a gold medal to the student of the Junior Class who shall pass the best competitive examination in Latin ; a silver medal to the student of the Freshman Class concerning whom the Professor of Greek shall certify that he has made the greatest proficiency in that department ; and a silver medal to that student of the Freshman Class who shall receive a corresponding certificate from the Professor of Latin.

Trustees of the Fund :

THE PRESIDENT OF THE COLLEGE.

JAMES P. LOWREY, ESQ.

EUSTACE W. FISHER, M.D.

PRIZES FOR DECLAMATION.

PROSE.

In 1852, the President of the Board of Education offered a prize for excellence in public speaking, to be called the PRIZE OF THE PRESIDENT OF THE BOARD OF EDUCATION ; and the successive Presidents of the Board have continued it.

The six speakers contending for this prize are chosen by their classmates, two from each of the three higher classes. Only such students are eligible as have not received fifty demerit-marks during the first term, or twenty-five during the second term preceding the day of the election. They speak selected pieces. The prize is awarded by a committee of gentlemen having no relation to the College and selected by the donor.

POETRY.

Since 1855, a gentleman of this city has offered a "Prize to the best Declaimer of a Selected Poem," the competitors to be selected, one from each of the three higher classes, by the students of said classes respectively; the declamations to be delivered at the same time as the prose declamations, and the award to be made by the committee selected to confer the prize in prose speaking.

The Prize Speaking is usually held on the Monday preceding Commencement. The successful Riggs essayists read their essays on the same occasion.

THE KELLY PRIZES.

In 1868, James Kelly, Esq., by the gift of \$1,000, established two prizes. One prize is given to the best debater in the Literary Societies; three contestants being chosen by the Clonian Society, and three by the Phrenocosmian. The President of the Board of Trustees selects the subject and submits it to the Faculty for approval. The debate is held in the College Chapel during the week preceding Commencement.

The other prize is given to the member of either society who shall write the best critique on some work of English literature. The subject is announced before the Christmas vacation, and the essays must be handed in on the first Monday in June.

The judges of the debate are selected by the President of the Board of Trustees; the judges of the essays are the President of the College, the Professor of History and the Professor of the English Language and Literature.

Trustees of the Fund:

THE BOARD OF TRUSTEES OF THE COLLEGE.

THE BELDEN PRIZES.

In 1883, William Belden, Esq., by the gift of \$1,000, established prizes for excellence in Pure Mathematics. The nature of the prizes and the terms of their award are to be determined from time to time by the President of the College and the Professor of Pure Mathematics.

At present the following prizes are to be awarded annually on Commencement Day, in the Junior and Sophomore Classes:

1. A gold medal to the student in each class of greatest proficiency in the studies of the department during the year. This greatest proficiency is to be determined either from the marks for recitations and on examinations, or by a special competitive examination, as may in each case seem best to the trustees.

2. A silver medal to any other student, in either class, whose aggregate marks for recitations and on examinations shall reach ninety-five per cent. of the maximum.

Trustees of the Fund:

THE PRESIDENT OF THE COLLEGE.

THE PROFESSOR OF PURE MATHEMATICS.

THE F. W. DEVOE & CO. PRIZES.

In 1885, Messrs. F. W. Devoe & Co. offered two prizes, each to consist of a set of drawing instruments of the value of twenty-five dollars, for proficiency in the Mechanical Arts. They are to be awarded by a Committee, consisting of the President of the College, the Chairman of the Executive Committee of the Board of Trustees, and the Professor of Applied Mathematics, to the student of greatest merit in the first and second years respectively, of the Workshop course. Students of the Classical and Scientific courses, as well as students of the Mechanical course, may compete. The merits of the competitors are to be judged by the excellence and quickness of their work, and by the improvement made by them during the year.

CLASSICAL SCHOLARSHIP.

This College being, through the action of its officers and Alumni, associated with eighteen of the leading universities and

colleges in the United States, in support of the American School of Classical Studies at Athens, the School is open to any properly qualified graduate of this College. Those desiring to avail themselves of this privilege should apply to the Professor of Greek for information and a certificate of scholarship.

DEGREES.

The degree of *Bachelor of Arts* is conferred on those students who have completed the Classical course; that of *Bachelor of Sciences* on those who have completed the Scientific and Mechanical courses.

The Faculty recommends no student for a degree whose average standing in the studies of the Senior year has fallen below six-tenths of the maximum. Every member of the graduating class is required to write a composition for oral delivery, to be sent in four weeks before Commencement.

A Bachelor of Arts or of Sciences may be recommended for the degree of Master of Arts or of Sciences on the following conditions:

1. He shall, at the date of the Commencement at which the degree is to be conferred, have been graduated at least three years.

2. He shall have been engaged for at least two years in the study of some literary or scientific subject, and shall furnish, as evidence of such study, either the diploma of the college or school which he has attended, or a detailed statement of the subjects and books which he has studied.

3. He shall present to the Faculty, at least six weeks before the Commencement, a thesis, satisfactory both in matter and style, on some subject connected with his studies, accompanied by a declaration that such thesis is his own work.

THE ASSOCIATE ALUMNI.

The College has graduated in thirty-eight classes, from 1853 to 1890, 1,400 men, of whom 1,227 are living. These are associated under the name of "The Associate Alumni of the College of the City of New York." The annual meeting is held on the day

after Commencement, at the College building. The officers for the present year are :

<i>President,</i>	.	.	.	.	.	.	HENRY SNYDER CARR, '66.
<i>1st Vice-President,</i>	.	.	.	.	.	.	EDWARD LAUTERBACH, '64.
<i>Secretary,</i>	.	.	.	.	.	.	RICHARD LELAND SWEEZY, '74.
<i>Treasurer,</i>	.	.	.	.	.	.	FERDINAND SHACK, '74.
<i>Historian,</i>	.	.	.	.	.	.	JOHN SHERMAN BATTELL, '73.

STUDENTS' AID FUND.

In 1857, the Associate Alumni established a fund for the purpose of assisting such students as might otherwise find difficulty in completing their collegiate course. This fund is maintained by contributions from the Alumni. The management of the fund is committed to five trustees, who loan, without interest, such sums as they think proper to deserving students; and neither the names of those to whom the loans are made, nor the amounts of the loans, are known to any but the trustees and the auditors of the fund.

The following are the present trustees, to whom application may be made :

JOHN HARDY, '53,	.	.	.	.	.	.	265 Broadway.
ALFRED G. COMPTON, '53,	.	.	.	.	.	.	At the College.
CHARLES L. HOLT, '53,	.	.	.	.	.	.	188 Front Street.
EVERETT P. WHEELER, '56,	.	.	.	.	.	.	120 Broadway.
JOHN R. SIM, '68,	.	.	.	.	.	.	At the College.

LITERARY SOCIETIES.

Two Literary Societies, the Clonian and the Phrenocosmian, are connected with the College. They are devoted to the cultivation of the arts of composition, oratory and debate and the promotion of friendly intercourse between students.

Weekly meetings are held during the collegiate year. The exercises consist of the reading of an essay and a selection, the delivery of a declamation or an oration, and the debate of a question previously appointed. A magazine is also read at intervals, to which the members contribute, anonymously, articles of a lighter nature than the essays. The Clonian library, containing many valuable books, and the Phrenocosmian reading-room, where may be found the leading magazines and periodicals of the day, are in two of the side rooms of the Chapel, and are open to the members every afternoon of the College week.

COMMENCEMENT.

JUNE 19, 1890.

The following award of Medals and Prizes was made according to the terms and conditions heretofore mentioned :

THE PELL MEDALS.

First, Gold,	PAUL L. SAUREL,	Senior.
Second, Silver,	BURTON C. MEIGHAN,	Senior.
Third, Silver,	HOWARD S. MEIGHAN,	Junior.

THE CROMWELL MEDALS.

SOPHOMORE CLASS.

First, Gold,	ALFRED A. COOK.
Second, Silver,	HERMAN B. BARUCH.

A certificate of equal merit with HERMAN B. BARUCH, to EDWARD A. ALEXANDER and CHARLES A. LAWRENCE.

THE WARD MEDALS.

Chemistry,	PAUL L. SAUREL,	Senior.
Natural History,	PAUL L. SAUREL,	Senior.
Natural Philosophy,	FRANK SCHLESINGER,	Senior.
Logic,	HERMAN B. BARUCH,	Sophomore.
Political Science,	HOWARD S. MEIGHAN,	Junior.
English,	SYDNEY L. WOOD,	Junior.
Greek,	LAWRENCE VEILLER,	Senior.
Latin,	EDMUND BURKE,	Senior.
French,	JAMES T. KILBRETH, Jr.,	Sophomore.
Spanish,	DAVID J. HAMBURG,	Junior.
German,	CARL THEOBALD, Jr.,	Junior.
Oratory,	ARTHUR W. HANDY,	Senior.
Composition,	WILLIAM STUART,	Senior.
Moral Philosophy,	CLARENCE DEW. ROGERS,	Senior.
Astronomy,	PAUL L. SAUREL,	Senior.
History,	ALFRED A. COOK,	Sophomore.
Drawing,	WARREN M. CRAFT,	Sophomore.
Algebra and Geometry,	JESSE W. EHRICH,	Sub-Freshman.
Descriptive Geometry,	MOSES S. LEVUSSOVE,	Freshman.
Botany,	CHARLES DERLETH,	Sub-Freshman.

Certificates of equal merit with their classmates who received the medals, were awarded as follows :

Greek,	ARTHUR F. J. RÉMY,	Senior.
Moral Philosophy,	PAUL L. SAUREL,	Senior.

THE RIGGS MEDALS.

SENIOR CLASS.

SUBJECT :—“Bismarck as a Statesman.”

MAX J. KOHLER.

JUNIOR CLASS.

SUBJECT :—“Advantages and Defects of England’s Colonial System.”

HARRY NECARSULMER.

THE CLAFLIN MEDALS.

SENIOR CLASS—Greek.

ARTHUR F. J. RÉMY.

JUNIOR CLASS—Latin.

SAMUEL FRIEDWALD.

FRESHMAN CLASS.

Greek, AUGUST P. BJERREGAARD.

Latin, AUGUST P. BJERREGAARD.

THE PRIZES OF THE PRESIDENT OF THE BOARD OF EDUCATION.

Prose Declamation, . . . ARTHUR W. HANDY, Senior.

Poetry Declamation, . . . JAMES J. K. HACKETT, . . . Junior.

THE KELLY PRIZES.

FOR THE BEST DEBATE. SUBJECT :—“That the existing Protective Tariff operates unfavorably to the interests of American farmers as a class.”

CHARLES A. BRODEK, . Senior, . Of the Phrenocosmian Society.

Honorable mention to

WILLIAM J. PYNE, . Senior, . Of the Clonian Society.

FOR THE BEST CRITIQUE. SUBJECT :—Trevelyan’s “Life of Macaulay.”

MAX J. KOHLER, . Senior, . Of the Clonian Society.

THE BELDEN MEDALS.

JUNIOR CLASS.

First, Gold Medal, SAMUEL FRIEDWALD.

Second, Silver Medal, HOWARD S. MEIGHAN.

Third, Silver Medal, SYDNEY L. WOOD.

Fourth, Silver Medal, FREDERICK G. REYNOLDS.

Fifth, Silver Medal, LOUIS DREYFUSS, Jr.

Sixth, Silver Medal, ARTHUR T. H. TIMMERMAN

SOPHOMORE CLASS.

First, Gold,	ERNEST A. VON FINTEL.
Second, Silver,	CHARLES A. LAWRENCE.
Third, Silver,	EDWARD A. ALEXANDER.

THE F. W. DEVOE PRIZES.

Wood-working,	ARTHUR BRUCKNER,	Sophomore.
Metal-working,	ARTHUR T. H. TIMMERMAN,	Junior.

Honorable mention was made, in

Wood-working,	C. F. COLLYER,	Sub-Freshman.
Metal-working,	ARTHUR M. DUNCAN,	Freshman.

HONORS.

The Honors at Commencement were—

First (Valedictorian),	PAUL L. SAUREL.
Second (Salutatorian),	BURTON C. MEIGHAN,
Third,	ARTHUR F. J. RÉMY,
Fourth,	CLARENCE DEW. ROGERS,
Fifth,	LEONARD L. BREITWIESER.
Sixth,	OTTO T. LOUIS.

Honorable mention was made of FRANK SCHLESINGER, CHARLES A. BRODEK, LAWRENCE VEILLER, JOSEPH WIENER, THOMAS HALLIGAN, STEPHEN P. DUGGAN and ISADOR ABRAHAMSON, for having obtained over eighty-five per cent. of the maximum of marks from the beginning of the Freshman year to the end of the Senior year.

DEGREES CONFERRED.

BACHELOR OF ARTS.

BLEIL, FREDERICK,	RÉMY, ARTHUR F. J.,
BURKE, EDMUND,	RISK, FRANCIS,
ELSERG, CHARLES ALBERT	ROSENO, BERNARD S.,
HÜHNER, LEON,	SCHLESINGER, HENRY WILLIAM,
MANHEIM, LOUIS L.,	TAYLOR, DAVID C.,
MORRIS, AARON,	VEILLER, LAWRENCE,
MYERS, JOHN HAYS, Jr.,	WEBER, WILLIAM E.,
PRELLWITZ, OTTO EMIL,	WIENER, JOSEPH,
RÉMY, ALFRED M.,	YANKAUER, SIDNEY,
ZARNITZ, GEORGE HENRY.	

BACHELOR OF SCIENCES.

ABRAHAMSON, ISADOR,
ANGELL, FRANK S.,
BOYRER, WILLIAM C.,
BREITWIESER, LEONARD L.,
BRICKNER, EDWIN S.,
BRODEK, CHARLES A.,
BROWER, JAMES C.,
DUGGAN, STEPHEN P.,
FISCHLOWITZ, ABRAM,
FITCH, ALBERT F.,
GARRETT, ALBERT W.,
HALLIGAN, THOMAS,
HERRMAN, CHARLES,
HERSKOVITZ, HERMAN, JR.,
JACOBSON, WILLIAM,
KELBY, THOMAS,
KOHLER, MAX J.,
LOUIS, OTTO T.,
MCBARRON, FRANK I.,
MEIGHAN, BURTON C.,
NELSON, DEAN,
NEUHOFF, SELIAN,
PYNE, WILLIAM J.,
RAUNER, CHARLES,
ROESER, JOHN E.,
ROGERS, CLARENCE DEW.,
ROSENTHAL, CHARLES E.,
SAUREL, PAUL L.,
SCHLESINGER, FRANK,
STOCK, CASPER,
STUART, WILLIAM,
WALKER, GEORGE L.,
WOOD, WILLIAM T.

MASTER OF ARTS.

DAVID P. FACKLER, A.B., '59,
HENRY S. STARK, A.B., '83,
GILBERT M. ELLIOTT, A.B., '86,
OSCAR B. IRELAND, A.B. '59,
S. A. GOLDSCHMITT, A.B., '68.
EDWARD W. SCRIPTURE, A.B., '84.

MASTER OF SCIENCES.

THEODORE BAUMEISTER, B.S., '87, CHARLES LANE POOR, B.S., '86.

COLLEGIATE CALENDAR.

1890-1891.

1890.

Sept. 11. Thursday.—Commencement of First Term.

Nov. 4. Tuesday.—Election Day.

Nov. 27. Thursday.—Thanksgiving Day.

Dec. 25. Thursday.—

}

WINTER VACATION.

1891.

Jan. 2. Friday.—

Jan. 9. Friday.—End of First Term.

Jan. 12. Monday.—Review Examination commences.

Jan. 23. Friday.—Review Examination ends.

Jan. 26. Monday.—Commencement of Second Term.

Feb. 23. Monday.—Washington's Birthday.

March 27. Friday.—Good Friday.

April 25. Saturday.—

May 2. Saturday.—

SPRING VACATION.

May 22. Friday.—End of Second Term.

May 25, 26, 27.—Examination for Admission.

May 30. Decoration Day.

June 1, 2, 3, 4, 5, 8, 9.—Examination for Advancement.

June 12. Friday.—Kelly Debate.

June 15. Monday.—Prize Speaking.

June 18. Thursday.—Commencement.

June 19. Friday.—

SUMMER VACATION.

Sept. 16. Wednesday.—

Sept. 17. Thursday.—Commencement of First Term.

BOARD OF TRUSTEES.

NAME.	RESIDENCE.	PLACE OF BUSINESS.
Agnew, Mrs. Mary N.,	124 East 27th Street.	
Devoe, Fred'k W.,	Fordham,	101 Fulton Street.
*Gallaway, Robert M.,	68 East 55th Street,	71 Broadway.
Gerard, James W.,	17 Gramercy Park.	
Guggenheimer, R.,	16 East 81st Street,	46 Wall Street.
Holt, Charles L.,	117 West 130th Street,	188 Front Street.
Hubbell, Charles B.,	143 West 64th Street,	2 Wall Street.
Hunt, John L. N.,	207 West 69th Street,	137 Broadway.
†Kuhne, Frederick.		
Lummis, William,	56 West 49th Street.	
Moriarty, Thaddeus,	39 West 130th Street,	209 Park Row.
Mosher, Joseph F.,	344 West 22d Street,	62 Wall Street.
O'Brien, Miles M.,	135 East 71st Street,	224 Church Street.
Peaslee, Edward H.,	29 Madison Avenue,	29 Madison Avenue.
Powell, Mrs. Sarah H.,	324 West 58th Street.	
Purdy, Samuel M.,	West Farms,	West Farms.
Sanger, Adolph L.,	50 East 63d Street,	115 Broadway.
*Simmons, J. Edward,	28 West 52d Street.	
Traud, Ferdinand,	1371 Franklin Avenue.	
*Vermilye, Jacob D.,	4 West 51st Street,	42 Wall Street.
Webb, Alexander S.,	15 Lexington Avenue,	College.
Williams, Mrs. Clara M.,	130 West 70th Street.	

Arthur McMullin, Secretary ; Office, Hall of the Board of Education.

Edward E. Van Saun, Assistant Secretary ; Office, Hall of the Board of Education.

* Resigned.

† Deceased.

	MONDAY.					TUESDAY.					WEDNESDAY.					THURSDAY.					FRIDAY.											
	I	2	3	4	5	Workshop.	I	2	3	4	5	Workshop.	I	2	3	4	5	Workshop.	I	2	3	4	5	Workshop.	I	2	3	4	5	Workshop.		
Prof. Roemer	F ⁵	Sr ^{1a}	F ⁶	.	.	.	Sr ^{1a}	A	F ⁷	.	.	.	F ⁶	Sr ^{1a}	F ⁵	F ⁸	.	.	Sr ^{1a}	F ⁷	F ⁶	.	.	B	F ⁷	F ⁸	Sr ¹	.	.			
" Doremus	Sr ^a	a	Jr ^{1, 4}	.	.	.	a-b	a	5, 12	.	.	.	2, 6,	3, 1,	b	.	.	6, 3,	a	a	2, 12	.	.	a	a	a	a	1, 5, 8,	.			
" Werner	J ³	J ⁴	Sr ^{2a}	.	.	.	J ³	Sr ^{2a}	J ⁴	.	.	.	J ⁴	Sr ^{2a}	J ³	Sr ^{2a}	.	J ⁴	J ³	J ⁴	Sr ²	.	J ³	J ⁴	Sr ²	.	J ³	.				
" Compton	J ¹	Sr ⁺	J ⁴	.	.	.	Sr ⁺	J ³	J ¹	.	.	.	Sr ^{1b}	J ¹	Sr ⁺	J ¹	.	J ⁴	Sr ⁺	J ³	J ⁴	Sr ⁺	.	J ¹	Sr ⁺	J ¹	Sr ^{1b}	.				
" Herbermann	Sr ⁺	Sr ^{1b}	S ¹	.	.	.	S ²	Sr ^{1b}	S ¹	.	.	.	J ¹	J ³	S ¹	.	.	J ¹	Sr ^{1b}	S ¹	.	.	S ²	Sr ⁺	J ¹	Sr ^{1b}	.	S ²	.			
" Scott	J ¹	F ²	S ²	.	.	.	S ¹	S ¹	S ²	S ⁶	.	.	J ¹	J ³	S ¹	.	.	S ²	J ⁴	S ¹	S ⁶	.	S ₃	S ¹	S ⁴	.	S ²	.				
" Woolf	S ⁶	S ³	S ⁴	.	.	.	S ¹	S ¹	S ²	S ⁶	.	.	S ³	S ²	S ¹	.	.	S ¹	S ²	S ⁶	S ¹	.	J ³	S ¹	S ⁴	.	S ²	.				
" Newcomb	J ⁴	.	J ³	Sr ^{1, 2}	.	.	J ¹	Sr ²	.	Sr ¹	.	.	Sr ^{1, 2}	J ⁴	J ³	.	.	J ³	J ¹	Sr ¹	.	.	Sr ²	.	J ⁴	J ¹	.	J ¹	.			
" Tisdall	S ¹	S ²	J ¹	.	.	.	Sr ⁺	J ¹	S ³	.	.	.	S ²	S ¹	Sr ⁺	.	.	J ¹	Sr ⁺	S ³	.	.	S ¹	S ²	.	S ³	J ⁴	.				
" Mason	J ³	S ²	S ⁵	.	.	.	J ⁴	S ⁶	J ³	.	.	.	S ²	S ⁵	S ⁶	.	.	S ⁶	J ⁴	S ²	.	.	S ⁵	J ³	J ⁴	.	S ⁴	.				
" Johnson	S ⁴	S ³	S ⁵	.	.	.	S ²	S ¹	J ³	.	.	.	S ³	.	S ⁶	J ⁴	.	S ¹	S ²	S ⁵	.	.	S ⁶	J ¹	J ⁴	.	S ⁴	.				
" Stratford	F ¹	F ⁶	F ³	.	.	.	F ⁷	F ⁸	Sr ²	.	.	.	J ³	.	F ⁷	F ²	.	F ⁶	F ¹	J ¹	.	.	J ⁴	F ⁸	Sr ¹	.	.	.				
Tutor Fabregou	F ⁸	S ⁵	9	S ⁶	.	.	B	M	9	S ⁴	.	.	S ⁶	A	9	Sr ⁺	.	S ⁴	9	A	B	.	S ⁵	9	M	F ⁵	.	.				
" McGuckin	F ⁵	F ⁶	F ³	F ⁴	.	.	F ⁶	F ¹	F ⁴	F ²	.	.	F ¹	F ³	M	F ⁶	.	F ²	F ³	F ⁵	M	.	F ⁵	F ¹	F ²	.	.					
" Sim	F ²	.	S ⁴	.	.	.	F ²	S ³	M	S ¹	.	.	S ¹	M	F ²	S ⁴	.	S ³	S ¹	F ²	.	.	F ²	S ⁴	S ³	M	.	.				
" Hunt	F ⁷	F ⁴	F ¹	F ⁸	.	.	F ⁸	F ²	F ⁷	F ⁶	.	.	F ⁴	F ⁶	F ¹	F ⁷	.	F ⁸	F ²	F ⁶	F ⁴	.	F ⁷	F ⁶	F ²	F ¹	F ⁸	.				
" Morgenthau	3	F ³	.	I	.	.	I	3	F ³	.	.	.	4	I	6	.	.	2	9	8	7	.	5	I	6	.	.	9	7	3	4	.
" Sickles	8	5	3	2	.	.	4	I	3	7	.	.	S ⁵	2	5	9	.	F ¹	I	3	.	.	S ⁵	3	7	9	5	I	2	3	.	
" Smith	2	I	7	5	9	.	S ⁵	I	3	7	.	.	F ²	F ²	F ³	F ⁴	.	F ¹	F ⁴	S ³	F ²	.	F ¹	F ²	F ³	F ⁴	.	.				
" Mulqueen	F ¹	F ²	F ⁴	F ³	.	.	S ³	F ⁴	F ²	F ¹	.	.	F ²	F ²	F ³	F ⁴	.	F ¹	F ⁴	S ³	F ²	.	F ⁴	F ²	F ³	F ⁴	.					
" Doremus	S ^{2, 3}	Sm ¹	Sm ¹	.	.	.	J ⁴	Sr ¹	.	.	.	.	J ¹	.	S ^{2, 3}	.	J ³	S ^{4, 5}	S ^{4, 5}	Sr ²	.	Sr ¹	S ⁶	S ⁶	Sr ²	.	.	.
" Cherbuliez	2	A	S ³	.	.	.	S ⁶	2	S ⁵	.	.	.	B	S ⁴	.	2	.	B	2	A	.	.	.	2	S ²	S ¹	.	.	.			
" Legras	F ⁴	F ⁸	F ⁵	F ¹	.	.	F ⁴	F ⁵	F ¹	F ⁸	.	.	F ⁵	F ⁴	F ⁸	F ¹	.	F ⁵	F ⁸	F ⁴	F ¹	.	F ¹	F ⁴	F ⁵	F ⁸	.					
" Mott	S ⁵	S ⁴	S ⁶	M	.	.	M	S ⁵	S ⁴	S ³	.	.	S ⁴	S ⁶	S ³	S ⁵	.	M	S ³	S ⁶	S ⁴	.	M	S ³	S ⁵	S ⁶	.	.				
" Mitchell	I ³	A ¹⁰	B ¹²	I ¹	I ¹	M ¹⁴	A ¹²	I ⁴	B ¹³	M ¹¹	I ⁰	.	I ⁴	B ¹³	I ⁰	I ²	A ¹¹	B ¹²	M ¹¹	I ³	I ⁴	A ¹⁰	.	I ³	I ⁴	A ¹¹	B ¹²	M ¹⁰	.			
" Rupp	5	7	2	4	.	.	5	7	4	2	.	.	7	4	2	5	.	2	7	4	5	.	7	5	4	2	2	.	.			
" Baralt	J ⁴	Sr ^{2b}	F ⁷	.	.	.	S ⁴	.	Sr ^{2b}	J ⁴	.	.	J ⁴	Sr ^{2b}	S ⁴	.	.	F ⁷	Sr ^{2b}	.	J ⁴	.	S ⁴	J ⁴	.	Sr ^{2b}	.	.				
" Houston	Instructing in Elocution and correcting Compositions for the Department of English.																															
" Kost	M	S ⁶	F ⁸	F ⁷	.	.	S ⁴	F ⁶	S ⁶	S ⁵	.	.	M	S ⁵	S ⁴	F ⁵	.	F ⁷	S ⁶	M	F ⁸	.	S ⁴	F ⁵	F ⁶	S ⁵	.					
" Friedburg	c	c	c	c	.	.	b	c	c	c	.	.	b	c	c	c	.	b	c	c	c	.	c	c	c	c	.	.				
" Mandel	a	a	a	a	.	.	a	a	a	a	.	.	a	a	a	a	.	a	a	a	a	.	a	a	a	a	.	.				
" Poor	F ⁶	.	F ⁷	3	B	.	F ⁷	B	F ⁶	3	.	.	F ⁷	3	F ⁶	B	.	F ⁶	F ⁷	B	3	.	3	B	F ⁷	F ⁶	.					
" Dean	A	F ⁷	.	B	.	.	F ³	F ⁸	F ⁵	F ⁴	.	.	A	F ⁸	B	F ³	.	F ⁴	F ⁵	F ⁸	F ⁷	.	A	.	B	F ⁷	.					
" Fox	B	I ⁴	I ⁰	I ²	A	.	I ²	I ⁴	B	M	.	.	I ²	I ⁰	A	M	.	A	I ⁴	6	F ³	.	M	I ⁰	A	B	F ⁷	.				
" Powell	F ³	4	6	A	.	.	4	A	6	F ³	.	.	F ³	6	4	A	.	A	4	F ³	6	B	.	4	A	6	F ³	.				
" Petrasch	I	3	8	I ³	.	.	3	8	I ⁰	a	.	.	F ⁸	F ⁷	3	I	.	I ⁰	8	I	13	.	F ⁶	I ⁰	I ³	.	.	.				
" Parmly	I ⁴	8	I	I ⁰	.	.	I ⁴	I ⁰	8	I	.	.	I ⁰	I	I ⁴	8	.	8	I ⁴	I	I ⁰	.	I ⁰	8	I	I ⁴	.					
" O'Brien	6	I ¹	4	F ⁵	I ³	.	8	F ³	I ¹	F ⁵	.	.	6	F ⁵	I ³	4	.	F ³	8	.	F ⁵	I ¹	.	F ³	4	8	6	I ³	.			
" Perham	7	9	.	I ⁴	I ⁴	.	F ¹	5	2	9	.	.	.	5	7	I ⁴	I ²	.	9	2	5	.	I ²	2	I ²	7	.	I ⁴	.			
" Constant	I ¹	I ²	I ³	7	.	.	I ¹	I ³	7	.	.	.	I ³	7	I ²	I ¹	.	I ¹	I ³	I ²	7	.	I ¹	I ³	I ²	I ⁷	.					
" Fennebresque	I ⁰	6	I ⁴	8	.	.	I ⁰	6	.	I ⁴	.	.	5	I ¹	F ⁴	6	.	6	I ⁰	I ⁴	.	I ⁴	8	6	I ⁴	I ⁰	.	.				
" Ilgen	4	B	5	6	.	.	F ⁵	I ¹	5	4	.	.	5	I ¹	F ⁴	6	.	4	5	I ¹	.	.	6	F ³	5			
" Rullman	I ²	I ³	I ¹	9	.	.	9	I ²	I ³	I ¹	.	.	9	I ²	I ¹	I ³	.	I ³	I ²	9	I ¹	.	I ²	I ¹	9	I ³	.					

a Assisting in preparing for Lectures.

b Assisting in giving instruction in Physics.

c Assisting in giving instruction in Practical Chemistry.

MONDAY.

	1	2	3	4	5	Wor sho
Prof. Roemer	F ⁵	Sr ^{1a}	F ⁶			
" Doremus	Sr	a	a	Jr ^{1, 4}		
" Werner	J ³	J ⁴	Sr ^{2a}			
" Compton	J ¹	Sr [†]	J ⁴			
" Herbermann		Sr [†]	Sr ^{1b}	S ¹		
" Scott		J ¹	F ²	S ²		
" Woolf	S ⁶		S ³	S ⁴		
" Newcomb	J ⁴		J ³	Sr ^{1, 2}		
" Tisdall	S ¹	S ²	J ¹			
" Mason		J ³	S ²	S ⁵		
" Johnson	S ⁴	S ³	S ⁵			
" Stratford		F ¹	F ⁶	F ²		
Tutor Fabregou	F ⁸	S ⁵	9	S ⁶		
" McGuckin	F ⁵	F ⁶	F ³	F ⁴		
" Sim	F ²		S ⁴			
" Hunt	F ⁷	F ⁴	F ¹	F ⁸		
" Morgenthau	3	F ³		I		
" Sickles	8	5	3	2		
" Smith	2	I	7	5	9	
" Mulqueen	F ¹	F ²	F ⁴	F ³		
" Doremus	S ^{2, 3}	Sm ¹	Sm ¹			
" Cherbuliez		2	A	S ³		
" Legras	F ⁴	F ⁸	F ⁵	F ¹		
" Mott	S ⁵	S ⁴	S ⁶	M		
" Mitchell	I3	A ₁₀	B ₁₂	I1	M ₁₄	
" Rupp	5	7	2	4		
" Baralt		J ⁴	Sr ^{2b}	F ⁷		
" Houston		Instructing in	Elocution ar			
" Kost	M	S ⁶	F ⁸	F ⁷		
" Friedburg	c	c	c			
" Mandel		a	a			
" Poor	F ⁶		F ⁷	3	B	
" Dean	A	F ⁷		B		
" Fox	B	I4	I0	I2	A	
" Powell	F ³	4	6			
" Petrasch	I	3	8	I3		
" Parmly	I4	8	I	I0		
" O'Brien	6	I1	4	F ⁵	I3	
" Perham	7	9		I4		
" Constant	I1	I2	I3	7		
" Fennebresque	I0	6	I4	8		
" Ilgen	4	B	5	6		
" Rullman	I2	I3	I1	9		

OFFICERS OF THE COLLEGE.

Baralt, Luis A.,	Instructor,	209 West 14th Street.
Cana, Robert W.,	Registrar,	58 Lexington Avenue.
*Cherbuliez, David,	Tutor,	266 Willis Avenue.
Compton, Alfred G.,	Professor,	40 West 126th Street.
Constant, Stanislas C.,	Tutor,	950 Sixth Avenue.
Dean, Bashford,	Tutor,	41 Highland Avenue, Yonkers.
De Groadt, James H.,	Tutor,	288 Summit Ave., Jersey City.
Doremus, Charles A.,	Tutor,	49 East 29th Street.
Doremus, R. Ogden,	Professor,	241 Madison Avenue.
Fabregou, Casimir,	Tutor,	111 West 130th Street.
Fennebresque, Louis,	Tutor,	56 East 105th Street.
Fox, William,	Tutor,	319 East 17th Street.
Friedburg, L. Heinrich,	Tutor,	1104 Lexington Avenue.
Herbermann, Charles G.,	Professor,	223 West 25th Street.
Houston, Robert,	Instructor,	142 East 48th Street.
Hunt, Leigh H.,	Tutor,	155 East 22d Street.
Ilgen, Ernest,	Tutor,	369 Herkimer Street, Brooklyn.
Johnston, Henry P.,	Professor,	132 East 24th Street.
Kost, Henry G.,	Tutor,	164 East 70th Street.
Legras, Gustave,	Tutor,	44 East 79th Street.
McGuckin, William G.,	Tutor,	126 West 129th Street.
Mandel, John A.,	Tutor,	Astoria, L. I.
Mason, James Weir,	Professor,	32 West 129th Street.
Mayell, Henry,	Secretary,	17 Lexington Avenue.
Mitchell, Harvey F.,	Tutor,	38 East 112th Street.
Morgenthau, Julius C.,	Tutor,	42 West 75th Street.
Mott, Lewis F.,	Tutor,	367 West 19th Street.
Mulqueen, Joseph F.,	Tutor,	49 East 78th Street.
Newcomb, George B.,	Professor,	256 West 57th Street.
O'Brien, Walter,	Tutor,	223 East 28th Street.
Parmly, C. Howard,	Tutor,	344 West 29th Street.
Perham, Frederic E.,	Tutor,	110 West 129th Street.
Petrusch, Carl Schurz,	Tutor,	71 West 55th Street.
Poor, Charles L.,	Tutor,	42 West 19th Street.
Powell, H. Wheeler,	Tutor,	116 West 129th Street.
Roemer, Jean,	Professor,	19 East 44th Street.
Rullman, Louis H.,	Tutor,	444 East 81st Street.
Rupp, August,	Tutor,	63 Seventh Street.
Schuyler, Livingston,	Tutor,	311 East 86th Street.
Scott, David B.,	Professor,	112 West 122d Street.
Sheldon, Benjamin A.,	Assistant,	48 Morton Street, Brooklyn.
Sickels, Ivin,	Tutor,	353 New York Ave., Jersey C'y.
Sim, John R.,	Tutor,	New Rochelle, N. Y.
Smith, Calvin R.,	Tutor,	58 West 57th Street.
Stratford, William,	Professor,	245 West 52d Street.
Tisdall, Fitz Gerald,	Professor,	Woodbridge, N. J.
Webb, Alexander S.,	President,	15 Lexington Avenue.
Werner, Adolph,	Professor,	339 West 29th Street.
Woolf, Solomon,	Professor,	31 West 126th Street.
Bonney, Michael F.,	Janitor,	College Building.
Reed, James,	Engineer,	College Building.

* Died October 10, 1890.

STUDENTS.

SENIOR CLASS.

Berg, Albert,	245 7th street.
Binion, Joshua,	158 East Broadway.
Carl, William,	247 West 133d street.
Clearman, Wallis J.,	149 East 89th street.
Cohn, Isadore,	91 East Broadway.
Dann, Nicholas R.,	59 Rivington street.
Elder, Robert,	162 Second avenue.
Elsberg, Nathaniel A.,	114 East 58th street.
Emley, Joseph Noble,	402 West 58th street.
Foster, Frederick J.,	628 West 52d street.
Freund, Jacob M.,	49 East 91st street.
Friedwald, Samuel,	188 Madison street.
Frisbee, Harry D.,	1340 Fulton avenue.
Gartensteig, Charles,	228 East 71st street.
Geyer, Paul W.,	78 2d street.
Greer, John G.,	Governor's Island.
Guiterman, Arthur,	335 West 58th street.
Hackett, James John Keteltas,	107 East 35th street.
Hamburg, David Joseph,	144 East 83d street.
Hartnett, Eugene Howe,	109 Macdougal street.
Henschel, Joseph,	1239 Washington avenue.
Hertz, Joseph Herman,	143 Norfolk street.
Hoffmann, Alfred L.,	159 Orchard street.
Huiell, John Mortimer,	286 Madison street.
Kelly, Edwards H.,	322 East 87th street.
Kelly, William V.,	163 East 69th street.
Levy, Morris,	218 Henry street.
Libman, Emmanuel,	180 East 64th street.
Lindroth, Charles Hjalmar,	120 East 7th street.
Lippincott, Harold E.,	230 West 76th street.
Ludvigh, Elek John,	101 Lexington avenue.
Man, Arthur,	106 East 30th street.
Marx, Louis J.,	538 5th street.
Marx, Wolffe Bennett,	538 5th street.
Meighan, Howard Sidney,	Riverdale.

Meyer, William Henry,	241 East 109th street.
Miller, Ira Abbott,	154 West 20th street.
Necarsulmer, Harry,	109 East 70th street.
Nelson, Henry Clay,	1139 Madison avenue.
Oakes, John Calvin,	423 West 21st street.
Oakley, Charles Solomon,	459 West 34th street.
Reynolds, Frederick Gregory,	140 West 132d street.
Rodman, Harry,	215 East Broadway.
Samuels, Robert Vinton Seger,	East 143d street, cor. St. Ann's avenue.
Scheuer, Louis,	951 Second avenue.
Smyth, Francis,	3 East 65th street.
Steinach, William,	188 Second avenue.
Stern, Philip Harry,	156 East 72d street.
Stroock, Solomon M.,	156 East 80th street.
Theobald, Carl,	542 East 11th street.
Thumm, Carl F. Beatty,	101 East 123d street.
Timmerman, Arthur H.,	305 East 53d street.
Timmerman, Charles Edward,	305 East 53d street.
Tobias, Leo,	321 East 52d street.
Trafford, Forrest Rose,	154 East 45th street.
Van Norman, Louis Edwin,	1180 Tinton avenue.
Victor, Frederick,	166 East 116th street.
Wood, Sydney Lunt,	6 East 28th street.

JUNIOR CLASS.

Alexander, Edward Albert,	147 East 62d street.
Baruch, Herman Benjamin,	47 East 60th street.
Benedikt, Victor Mayor,	123 East 83d street.
Bernstein, Solomon Charles,	90 East Broadway.
Bruckner, Arthur,	314 6th street.
Bullowa, Ferdinand Ezra M.,	146 East 55th street.
Byrne, George Thomas,	121 Crosby street.
Chapman, Robert Fendall,	167 East 116th street.
Clermont, Louis Charles,	362 East 72d street.
Coleman, John Burlinson,	135 East 65th street.
Cook, Alfred A.,	152 East 71st street.
Craft, Warren Moore,	217 West 133d street.
Dailey, Alfred Milner,	246 East 23d street.
David, Harry Percy,	232 West 78th street.
Earle, Thornton,	498 West 153d street.
Feine, Morris,	92 Ludlow street.
Finkelbrand, Moses,	80 Bayard street.
Fintel, Ernest A. von,	153 East 50th street.
Freedman, Lewis Herbert,	120 West 125th street.

Ginsburg, Marks,	47 Canal street.
Goldmark, Emil,	248 West 51st street.
Goodhart, Laurence George,	1148 Park avenue.
Greenbaum, Jacob,	80 East 108th street.
Haerting, Frederick John Walton,	400 East 78th street.
Haight, Samuel Carleton,	1266 Clover street, West Farms.
Haller, Edwin A. F.,	124 West 28th street.
Hauswirth, Louis,	208 7th street.
Hellerson, Charles E. W.,	317 East 55th street.
Henwood, W. Jory,	1293 Washington avenue.
Hertz, Emanuel,	143 Norfolk street.
Jacobus, Theodore I.,	118 1st street.
Jennings, George E.,	321 West 12th street.
Josephson, Isaac,	297 Delancey street.
Knox, Arthur,	110 East 71st street.
Lawrence, Charles A.,	516 East 12th street.
Leeser, Abraham,	427 Hudson street.
Levy, Meyer,	132 Henry street
Libaire, Edward William,	150 West 49th street.
Liebermann, William,	417 East 84th street.
Loewy, George,	577 East 146th street.
Martin, Jeremiah Neil,	436 Lenox avenue.
McNeill, Ernest, Jr.,	589 East 140th street.
Miller, James Calvin,	227 West 52d street.
Mord, George,	30 Orchard street.
Moss, Isaac,	263 West 36th street.
Natkins, Isaac,	418 West 40th street.
Newman, Henry,	93 Division street.
Ottinger, Nathan,	110 East 61st street.
Payson, George Phillips,	46 West 127th street.
Powers, Francis William,	216 East 109th street.
Reubenstein, Raymond,	125 Division street.
Rieser, Max Gustine,	225 East 93d street.
Roeser, Edward Nicholas,	240 West 130th street.
Rosenzweig, Joseph,	249 East 110th street.
Schmeidler, Benjamin,	164 East 66th street.
Schulz, George Matthew Sebastian,	77 East 121st street.
Scott, Frank,	47 Christopher street.
Scouler, Ambrose Alphonse,	159 West 125th street.
Seufert, William Marshall,	515 East 152d street.
Shera, George William,	107 East 29th street.
Sigel, Franz, Jr.,	563 Mott avenue.
Silberstein, Solomon,	442 Lenox avenue.
Sobel, Jacob,	148 Henry street.
Speranza, Gino Charles,	214 East 65th street.

Stanton, Frederick Everett,	43 West 71st street.
Steinberger, Victor,	442 East 88th street.
Stratton, Alexander,	568 Mott avenue.
Thorner, Maurice,	288 East Houston street.
Taylor, George Hoyt, Jr.,	821 East 138th street.
Whitehorne, Frederick Newton,	104 West 129th street.
Wise, Stephen Seymour,	324 East 30th street.
Wolbarst, Abraham L.,	187 Henry street.

SOPHOMORE CLASS—CLASSICAL COURSE.

Appleton, Floyd,	Sedgwick Park, Fordham Heights.
Austin, Berkeley Clarence,	124 Lexington avenue.
Beaubian, Charles Sumner,	214 West 33d street.
Bjerregaard, Augustus Phillip,	5 East 115th street.
Black, Ira Grant,	231 West 22d street.
Boyd, William Augustus, Jr.,	107 East 101st street.
Bunnell, Walter Lyman,	317 West 136th street.
Butler, Willis Howard,	111 East 76th street.
Campbell, Judson David,	326 West 145th street.
Carew, John Francis,	225 East 58th street.
Cohen, Gussie,	145 East 47th street.
Cohn, Solomon,	44 Bowery.
Cole, Charles Fisher,	592 East 141st street.
Corbitt, William Henry,	108 East 78th street.
Crampton, Henry Edward, Jr.,	256 West 121st street.
Daly, William Henry Vincent,	188 Lexington avenue.
Duckman, Moses,	230 Rivington street.
Eisman, Horatio Seymour,	124 East 74th street.
Erdman, William,	48 East 57th street.
Fischer, Joseph,	235 Ninth avenue.
Flynn, Henry Sidney,	335 West 48th street.
Frankenstein, Arthur,	415 East 57th street.
Glidden, Walter Seward,	213 West 43d street.
Goldwater, John,	416 East 58th street.
Graff, Horace Mordecai,	48 West 83d street.
Green, Charles,	826 Lexington avenue.
Haffner, Charles,	655 Water street.
Harris, Arthur Clarence,	103 East 72d street.
Hesselbach, Charles Valentine,	93 Lexington avenue.
Heylman, Henry Budelman,	561 Buckhout street.
Humphries, Harry Richard,	1428 Lexington avenue.
Hyman, David Jacob, .	54 Ridge street.
Katz, Maurice Jacob,	201 Henry street.
Kinkeldey, Carl William,	62 East 12th street.

Kohler, Edgar Julius,	115 East 71st street.
Kosmak, George William,	234 East 49th street.
Kremer, Julius,	271 Madison street.
Leo, Arnold Gustave,	235 West 135th street.
Levenson, Charles Coleman,	1833 Lexington avenue.
Levin, Louis Hyman,	7 Forsyth street.
Levy, Louis,	180 Henry street.
Lewis, Milton,	41 East 64th street.
Mayer, Henry William,	843 Lexington avenue.
Michaelis, Alfred,	53 St. Mark's place.
Moeller, Edgar James,	8 Beekman place.
Ray, Frank A.,	133 West 41st street.
Robeson, Fielding T.,	523 Manhattan avenue.
Romay, Joseph,	9 Minetta street.
Rosenwasser, Louis Etherington,	122 Attorney street.
Ruhl, Henry C.,	520 East 141st street.
Schutz, Samuel M.,	129 East 60th street.
Seitz, Oscar R.,	1186 Lexington avenue.
Simpson, Herman,	128 Allen street.
Smith, Frederick L.,	Albany avenue, Kingsbridge.
Smith, James Edgar,	171 st., bet. Audubon and 11th ave.
Spofford, Henry,	317 West 21st street.
Steinberg, Maurice J.,	165 East 114th street.
Tenner, Arthur S.,	202 West 133d street.
Thompson, Robert W.,	229 West 97th street.
Thyng, William S.,	1428 Columbus avenue.
Tracy, Clarence Bartlett,	170 West 121st street.
Treat, Edwin Cuyler,	942 St. Nicholas avenue.
Turrell, Guy H.,	2028 Lexington avenue.
Ulfelder, Sidney,	235 East 65th street.
Wagner, Edward Conrad,	49 East 72d street.
Walther, Louis,	312 West 134th street.
Weichert, Max J.,	437 West 13th street.
Weinhandler, Sampson Herbert,	319 East 17th street.
Zinke, Louis,	206 West 43d street.

SOPHOMORE CLASS—SCIENTIFIC COURSE.

Alexander, Joseph Albert,	67 West 95th street.
Ansbacher, Samuel,	1869 Madison avenue.
Baynes, Ernest Harold,	Hunt's Point.
Becker, Hubert,	322 East 79th street.
Benoliel, Solomon D.,	116 West 35th street.
Bloomanson, Henry Julius,	250 East Broadway.
Brenneman, Charles,	157 East 71st street.

Brickner, Walter Max,	812 Lexington avenue.
Childs, Frederick Augustus,	153 East 117th street.
Clark, Frank Dayton,	608 East 136th street.
Cohen, Charles,	164 West 132d street.
Crooker, Frederick Foster,	124 East 59th street.
Dalton, William A.,	393 8th street.
Donohue, Thomas Martin,	1240 Franklin avenue, Morrisania.
Eckert, Louis,	210 East 70th street.
Emery, Dean,	1661 Washington avenue, Tremont.
Finn, John Joseph,	506 West 50th street.
Fischer, Edwin Philip,	33 West 92d street.
Frank, Jerome,	112 East 79th street.
Friedmann, Herman George,	922 East 138th street.
Ginsberg, Leon Bernard,	310 East 116th street.
Glasson, Samuel, Jr.,	343 West 38th street.
Goldbacher, Ernest,	109 West 131st street.
Goldfrank, Harry Philip,	20 East 81st street.
Goldhammer, Adolph,	148 Suffolk street.
Green, David Joy,	611 East 135th street.
Haney, John Dearling,	1233 Third avenue.
Herrmann, Arnold,	18 East 60th street.
Hillebrandt, Oscar von,	191 Forsyth street.
Holden, Edwin Chapin,	17 West 132d street.
Hyman, Solomon,	328 East 57th street.
Jacobus, Emanuel,	118 1st street.
Kaminski, Nathan Emanuel,	122 West 64th street.
Kelly, Bryan,	119 East 23d street.
Klein, William T.,	118 Spring street.
Knox, Douglas,	Bainbridge avenue, Fordham.
Kornreich, Conrad Piser,	93 Clinton street.
Lansingh, Van Rensselaer,	184th street and Sedgwick avenue.
Laubenheimer, Ernest,	417 East 51st street.
Levin, Harry,	293 East 3d street.
Levussove, Moses Samuel,	163 East 106th street.
Lewi, Sidney Cooper,	312 West 33d street.
Maguire, Edward Randall,	102 West 89th street.
Marks, Charles Edwin,	51 East 67th street.
Martin, George,	Fordham.
McNally, Edward Joseph,	1589 Second avenue.
Merz, August,	48 St. Mark's place.
Newell, Frank,	219 West 104th street.
Of, Charles,	4 Clinton place.
Plaut, Harry J.,	341 West 46th street.
Pope, John Russell,	329 Fifth avenue.
Richardson, George Burr,	635 Park avenue.

Riordan, Edward,	115 East 87th street.
Rosenbusch, Gilbert T.,	108 East 71st street.
Schmuck, Peter,	323 West 39th street.
Schnepel, John Henry,	265 West 22d street.
Schnurer, Berthold,	203 East 116th street.
Shea, P. Francis,	504 Pearl street.
Shilansky, Michael,	238 Clinton street.
Shoenfeld, Leonard Benjamin,	1192 Lexington avenue.
Skerrett, John Francis,	328 East 84th street.
Smith, Mortimer Allen,	2 East 115th street.
Stanton, Gilman Shattuck,	43 West 71st street.
Stebbins, Ernest Vail,	60 East 34th street.
Stein, Alfred William,	214 East 58th street.
Stern, Arthur,	55 West 50th street.
Sternfeld, Theodore,	114 East 57th street.
Stewart, John Henry,	123 West 11th street.
Sturtevant, Girard,	1739 Madison avenue.
Styles, Clarence N.,	172 East 106th street.
Timme, Walter,	2 River View Terrace.
Tucker, Fitz-Henry Fay,	2301 Seventh avenue.
Urban, Adolph Hermann,	497 Tenth avenue.
Volgenau, Ernest Lewis,	1688 Park avenue.
Vorhaus, Joseph,	189 Henry street.
Weingart, Isaac,	822 Lexington avenue.
White, John, Jr.,	117 East 82d street.
Williams, Howard E.,	130 West 70th street.
Willson, Thos. Edgar, Jr.,	999 Morris avenue.
Wolfe, S. Herbert,	48 East 112th street.
Zabriskie, Edward Cornell,	200 East 20th street.

SOPHOMORE CLASS—SCIENTIFIC COURSE, WITH MECHANICS.

Binzen, John P.,	301 East 121st street.
Boylan, John Joseph,	547 West 59th street.
Bretzfelder, Isaac,	87 Avenue B.
Devlin, Peter J.,	322 East 19th street.
Fox, Mortimer J.,	127 East 79th street.
Herzig, Charles Simon,	168 East 75th street.
Isaacs, Charles,	68 Baxter street.
Moore, Frederick Watkins,	320 East 30th street.
Neus, Engelbert,	454 East 116th street.
Reynolds, James Joseph,	15 Monroe street.
Schum, Charles Henry,	256 Third avenue.
Spelman, George Francis,	248 Third avenue.

FRESHMAN CLASS—CLASSICAL COURSE.

Barrett, Sidney H.,	260 West 132d street.
Bostwick, William W.,	1695 Washington avenue
Boyce, William E.,	246 West 31st street.
Brennan, James H.,	591 Park avenue.
Buchenholz, Samuel,	120 Suffolk street.
Burgemeister, Albert William,	300 East 31st street.
Butterfield, Arthur George,	338 West 38th street.
Calkins, Hiram, Jr.,	147 West 49th street.
Campbell, Charles,	134 Henry street.
Collins, Charles S. C.,	52 West 18th street.
Curtis, Charles Thayer,	593 East 141st street.
Dieckman, Fred. W., Jr.,	11 West 4th street.
Dodd, Louis Frederick, Jr.,	11 West 122d street.
Domosch, Louis,	195 Delancey street.
Drescher, Nathan,	232 East 2d street.
Durand, William C.,	353 West 20th street.
Ehrhard, William Joselin,	315 East 29th street.
Ehrhorn, Oscar,	215 Ninth avenue.
Ehrich, Jesse William,	42 West 75th street.
Erdwurm, Leo,	269 Seventh avenue.
Farley, Frank,	231 East 26th street.
Fearn, William Thorn,	34 Renwick street.
Frankenstein, Isaac,	175 East Broadway.
Frazee, Elmer E.,	112 Charles street.
Friend, Howard L.,	58 East 67th street.
Friesner, Isidore,	206 East 58th street.
Gage, Charles Brownell,	1139 Madison avenue.
Geyer, Harold C.,	78 2d street.
Giblin, John Joseph Aloysius,	161 East 72d street.
Gilchrist, Alfred John,	313 East 85th street.
Goodman, Max,	158 Ridge street.
Gourlie, John C.,	320 East 18th street.
Green, Leo,	826 Lexington avenue.
Greenbaum, Samuel Wilson,	517 East 86th street.
Haas, Arthur,	56 East 122d street.
Hansen, Herman N.,	106 West 26th street.
Harris, Frederick R.,	101 East 72d street.
Heimewich, Joseph,	229 Rivington street.
Hensel, Otto,	61 7th street.
Hine, Charles E.,	221 West 31st street.
Hirsh, William H.,	220 Eighth avenue.
Hyman, Julius,	18 Pike street.
Jacquelin, Sydney Stickney,	123 East 56th street

Jameson, John Butler,	159 Lexington avenue.
Johnston, Harold R.,	223 East 61st street.
Josephs, Charles Samuel,	111 Lenox avenue.
Joyce, Michael J.,	300 East 23d street.
Judkowitz, Herman,	385 East Houston street.
Kearney, Walter,	141 West 53d street.
Klein, Leo,	132 East 94th street.
Klotz, Walter Carl,	42 East 22d street.
Knowles, Frank T.,	182 East 64th street.
Kopecky, Francis Anthony,	338 East 73d street.
Lennon, John Frederick,	85 7th street.
Levinsky, Isaac,	191 Henry street.
Libbey, Allan Ogden,	117 Waverly place.
Lichtenstern, George Maurice,	720 East 144th street.
Lockhart, Robert John,	246 West 18th street.
Loewing, Ernest J.,	281 East Broadway.
Logue, Harry Otis,	225 West 34th street.
Marks, Henry,	252 Delancey street.
McAdam, Harry G.,	308 West 20th street.
McFarlane, Charles T.,	224 West 25th street.
Meagher, Philip Daniel,	224 East 21st street.
Meyer, Leo Bernard,	243 East 118th street.
Mund, Conrad,	308 East 62d street.
Naumburg, Bernard S.,	322 West 58th street.
Nesbitt, Arthur Alexander,	1712 Washington avenue, Tremont.
Newman, Frederick Felix,	604 Lexington avenue.
Nones, Walter M.,	51 East 66th street.
O'Neill, Charles Edwin,	231 Centre street.
Paskusz, Benjamin G.,	242 East 72d street.
Pick, Louis,	336 East 70th street.
Reith, John T.,	1829 Third avenue.
Remer, John Ware,	66 West 119th street.
Rice, William Clark,	3 East 131st street.
Richardson, Everett Eugene,	257 West 19th street.
Rosenbaum, Alexander,	204 West 41st street.
Rosenberg, Aaron,	204 East 29th street.
Rosenberg, Jacob,	58 Avenue D.
Rundlett, Ernest Atkinson,	253 West 14th street.
Scherck, Seymour Maximillian,	121 West 93d street.
Schnaper, Edward,	691 Second avenue.
Schoonover, Warren, Jr.,	115 East 59th street.
Shattuck, Frederic Gaut,	352 West 22d street.
Silberstein, Elias,	329 East 80th street.
Smith, John Patrichia,	355 West 17th street.
Spingarn, Joel Elias,	118 East 58th street.

Sturtz, Samuel,	482 Grand street.
Sweeney, Dennis Joseph,	134 Henry street.
Tannenbaum, Simon,	298 2d street.
Uterhart, Henry Ayres,	552 East 85th street.
Vedder, Paul Burtis,	108 West 128th street.
Wahlig, Herman Gustave,	317 East 42d street.
Walsh, Michael Raphael,	52 Prospect place.
Weschler, Jacob Charles,	469 Second avenue.
Wiener, Frederick,	1003 Madison avenue.

FRESHMAN CLASS—SCIENTIFIC COURSE.

Ahern, Harry W.,	227 West 123d street.
Barry, William Henry,	57 West 92d street.
Beckhardt, Moses,	Heb. Orp. Asylum, 138th st., Tenth ave.
Blondel, Ransom,	548 Mott avenue.
Bloomberg, Samuel D.,	50 East 65th street.
Blot, John H.,	138 West 121st street.
Blumenstieler, Edwin,	108 East 79th street.
Briefner, Abel,	162 East 128th street.
Bunting, William C.,	333 East 118th street.
Burnett, Henry Winans,	259 West 128th street.
Burrell, Walter H.,	322 East 55th street.
Cahn, Samuel S.,	161 East 79th street.
Clarke, Alfred B.,	211 East 11th street.
Cockrane, John Caldwell,	177 West 94th street.
Cohen, Irving J.,	69 East 104th street.
Cohen, Julius,	205 East Broadway.
Cook, John William,	113 East 113th street.
Creeden, John F.,	346 Third avenue.
Cryan, Albert Newell,	126 West 123d street.
Cummings, Harry King,	249 West 133d street.
Davison, Gustave,	310 East 85th street.
Derleth, Charles, Jr.,	585 East 134th street.
Dewey, John Allen,	2213 Second avenue.
Dillenberg, Joseph S.,	325 East 62d street.
Douglas, John,	145 West 81st street.
Eckel, Edwin C.,	364 West 31st street.
Eising, Eugene H.,	6 East 66th street.
Fox, David J.,	127 East 79th street.
Fowler, Edmund P.,	56 West 50th street.
Frank, Philip,	202 East 7th street.
Freund, Charles Joseph,	138th street and Tenth avenue.
Frey, Louis Joseph,	1879 Madison avenue.
Gold, William,	19 Carmine street.

Goldberg, Louis A.,	56 West Houston street.
Goldrich, Leon W.,	27 Prince street.
Griffin, Bradney B.,	1007 Washington avenue.
Grimm, Frederick William,	1812 Lexington avenue.
Grünenthal, Anthony Frank,	311 East 18th street.
Haas, Leopold Frederick William,	418 East 85th street.
Hanauer, Jerome Jonas,	207 West 128th street.
Hartigan, John Thomas,	71 East 124th street.
Hartmann, Edward Max Martin,	1391 Washington avenue.
Hepp, Henry,	323 West 145th street.
Herzog, Harry Louis,	149 East 83d street.
Horkimer, Sigmund,	347 East 58th street.
Houston, Samuel Wilson,	43 Sixth avenue.
Irwin, John V.,	13 Henderson place.
Jaques, Washington L.,	217 West 14th street.
Joseph, Jacob Charles,	242 East 83d street.
Kelly, Oluf Morrogh,	16 East 29th street.
Kilian, William George,	352 West 33d street.
Kilmer, Theron Wendell,	9 East 57th street.
Koch, Edward G.,	243 East 55th street.
Koch, William Theodore,	133 West 20th street.
Kupfer, Walter S.,	123 East 78th street.
Kurz, William F.,	168 Allen street.
Lambert, Louis L.,	94 East 114th street.
Laski, Leon,	271 West 36th street.
Lefkowitz, David,	136th street and Amsterdam avenue.
Levy, Samuel,	742 Third avenue.
Liebling, Leonard M.,	143 East 57th street.
Lissberger, Henry,	118 East 60th street.
Manheims, Leo Raphael,	319 East 87th street.
Martin, Edward Jerome,	436 Lenox avenue.
Martin, Thomas Aloysius,	436 Lenox avenue.
McCaffery, Richard Stanislaus,	316 East 124th street.
Mëding, Stewart Murray,	60 West 132d street.
Meyer, Bernard Leo,	220 East 12th street.
Moonelis, Emil,	122 East 80th street.
Oppenheimer, Milton Benjamin,	1037 Fifth avenue.
Osborne, William Edwin,	127 East 124th street.
Paskusz, Martin,	242 East 72d street.
Peiser, Solis Victor,	124 East 58th street.
Pfeffer, Frank Julius,	72 Seventh avenue.
Pforzheimer, Arthur,	348 East 124th street.
Pollak, Rudolph Raphael,	54 East 123d street.
Riedel, Arthur E.,	146 Delancey street.
Riederer, Emil Justus,	145 West 94th street.

Rosenstein, Walter Julius,	33 East 63d street.
Rourke, Cornelius Stephen,	177 East 74th street.
Salant, Henry,	62 Pike street.
Savage, José Ramon Fernandez,	344 West 123d street.
Schlockow, Oswald,	154 Avenue C.
Shaw, William Robert,	1023 Third avenue.
Silver, Seymour,	118 East 89th street.
Simonson, George Henry,	61 East 83d street.
Simonson, Simon,	244 East 58th street.
Smith, Charles Benjamin,	251 West 127th street.
Smith, Henry George,	924 Third avenue.
Spahr, Edward,	337 East 68th street.
Spitzer, Max,	659 Ninth avenue.
Stern, Henry,	116 St. Mark's place.
Stern, Philip Alfred,	133 East 121st street.
Stiebel, Samuel James,	310 West 103d street.
Stoneback, Charles Haskins,	64 Bank street.
Strasburger, Edgar,	240 West 24th street.
Sullivan, Franklin Curtis,	1054 Avenue A.
Sutorius, George Ford,	39 Whitehall street.
Swanson, William H. K.,	36 Grove street.
Thompson, Austin,	111 East 82d street.
Titus, William Amos,	228 West 135th street.
Toch, Max Bernard,	57 East 92d street.
Turner, Reeve,	129 East 29th street.
Underndorfer, Leo Isaac,	371 Bowery.
Van Houten, Harry J.,	192 West 10th street.
Van Loan, Joseph Thompson,	30 West 123d street.
Van Orden, Archibald Stark,	606 East 136th street.
Van Praag, Harry L.,	228 West 130th street.
Verbeck, Arthur,	66 West 100th street.
Voislawsy, Antonie Phin.,	72 St. Mark's place.
White, Peter,	205 East 32d street.
Whiting, Giles,	25 East 75th street.
Woolf, Harry,	138th street and Tenth avenue.
Wray, William, Jr.,	1883 Vyse avenue.
Wurtz, Lionel,	2149 Seventh avenue.

FRESHMAN CLASS—SCIENTIFIC COURSE, WITH MECHANICS.

Adam, George Aubrey,	2009 Seventh avenue.
Aken, James Henry,	116 Cannon street.
Albertine, Peter,	311 West 48th street.
Angell, Clarence,	467 Manhattan avenue.
Baldwin, George Edward,	259 West 128th street.

Benham, John Alexander,	159 East 103d street.
Bennett, Thomas Archie,	174 West 58th street.
Bjorkwall, Charles Olof Hjalmar,	138 East 43d street.
Bogenschneider, Charles Julius,	317 East 80th street.
Brandeis, Julian Walter,	113 East 122d street.
Braun, William,	847 East 163d street.
Breyer, Alfred,	210 West 104th street.
Brubacher, Daniel,	6 Union square.
Buzzini, John,	313 West 127th street.
Clark, Baylies Coleman,	19 West 126th street.
Clarkson, Frank Jackson,	48 East 66th street.
Clarkson, Jay Herrick,	48 East 66th street.
Collyer, Charles Francis,	542 East 143d street.
Eckstein, Isidor,	347 Third avenue.
Fitzgerald, Edward Thomas,	43 Whitehall street.
Gage, Stanley Ashton,	507 West 27th street.
Geisman, Max,	214 East 75th street.
Godwin, George Gedney,	Bailey avenue, Kingsbridge.
Goldberg, George,	53 Eldridge street.
Gordon, Robert Loudon,	306 West 46th street.
Graham, Charles Howard,	2 Sylvan place.
Graham, John, Jr.,	543 East 85th street.
Hofman, Emil H.,	154 East 65th street.
Hudson, Wilbur G.,	73 West 131st street.
Irving, George Henry, Jr.,	264 West 130th street.
King, Elbert W.,	586 East 136th street.
Klein, Maurice,	709 East 5th street.
Loewy, George J.,	405 East 87th street.
Lyon, George J.,	348 Lenox avenue.
Mahnken, Harry C.,	103 West 131st street.
Main, Edward John,	297 Delancey street.
McConnell, Robert H.,	23 West 130th street.
McCormack, Richard F.,	5 Morton street.
McFarland, David E.,	35 Clinton place.
Newhouse, Gabriel,	425 East 50th street.
Pfeifer, Charles,	198 Avenue B. [Drive.]
Phillips, Thomas Henry,	111th st., bet. Boulevard and Riverside
Randall, Samuel,	42 West 100th street.
Randolph, Willard I. F.,	180 West 59th street.
Rice, Herbert,	122 West 129th street.
Rodenburg, Charles,	428 West 44th street.
Rundquist, Emil A.,	St. Luke's Hospital, 17 West 54th street.
Shire, Edward,	109 East 61st street.
Smith, Talbot S.,	Spuyten Duyvil.
Spalding, Morrel B.,	44 West 85th street.

Taddiken, Paul G.,	332 West 46th street.
Tompkins, Edward D.,	632 West End avenue.
Tucker, Roswell Cummings,	52 West 104th street.
Wallace, Alfred A.,	219 West 20th street.
Wellings, Joseph G.,	Fordham.
Whiting, Giles,	25 East 75th street.

SUB-FRESHMAN CLASS—CLASSICAL COURSE.

Adelsohn, Jonas,	340 East 87th street.
Adler, William,	419 East 63d street.
Alexander, Lewis,	174 East 70th street.
Andrews, David Merritt,	81 West 91st street.
Asch, Benjamin,	770 Lexington avenue.
Babcock, Harry Vanderberg,	2083 Fifth avenue.
Bachman, Walter Solomon,	120 West 48th street.
Bachrach, Milton,	1903 Madison avenue.
Ballin, Nathan,	1988 Columbus avenue.
Bárdos, Coloman, Jr.,	402½ Grand street.
Baum, Irvin,	210 East 72d street.
Baxter, David Elder,	32 West 60th street.
Benedict, Alfred Chapman,	167 West 71st street.
Benhrosh, Abraham,	183 Hester street.
Berkowits, Jacob,	346 East Houston street.
Beyer, Emil,	1357 Avenue A.
Bijur, Nathan Isaac,	46 East 73d street.
Bodecker, H. W. C.,	60 East 58th street.
Boote, Charles William,	362 Willis avenue.
Born, Edward,	70 East 130th street.
Boukofsky, William,	110 West 120th street.
Brennan, Frank Eugene,	350 East 32d street.
Buckbee, Charles,	1975 Webster avenue.
Burke, John James,	188 Henry street.
Cahill, Edward Aloysius,	65 Barclay street.
Cairns, Bayard Snowden,	40 Grove street.
Callahan, John Joseph,	152 Washington street.
Cameron, Walter Scott,	730 Ninth avenue.
Campbell, George Buchwalter,	2139 Seventh avenue.
Carey, Harry Leo,	543 Second avenue.
Christmann, George Joseph,	353 Rivington street.
Coffin, Francis Sherwood,	75 West 124th street.
Cohen, Clarence Lane,	209 East 52d street.
Cohen, Max,	Heb. Orphan Asy., 136th st. & 10th av.
Cohn, Harry,	1965 Seventh avenue.
Coleman, John Thomas,	326 East 62d street.

Conklin, William Rowe,	249 West 54th street.
Constantine, Thomas Stansbury, Jr.,	853 East 163d street.
Costello, Daniel Ferry,	31 Park street.
Coyle, John Joseph,	216 East 39th street.
Curtin, Thomas Hayes,	500 Third avenue.
Daly, George Andrew,	325 East 43d street.
Dammes, Thomas Wesley,	29 Avenue D.
David, Henry,	232 East 122d street.
Davidson, Israel,	110 East Broadway.
Deady, Charles Percy,	252 East 68th street.
Deignan, James Herbert,	135 Macdougal street.
Denzer, Morris Raymond,	113 West 130th street.
Doyle, James Paul, Jr.,	424 Third avenue.
Dreyer, Frank Helmuth,	Medical College, 63d st. and Avenue A.
Dryfoos, Arthur David,	39 East 64th street.
Durkin, Joseph Francis,	451 West 47th street.
Durrie, Alexis Ankettell,	37 West 45th street.
Dyer, Rodriguez Statia,	24 Christopher street.
Eagleson, Alexander Clarence,	21 West 125th street.
Elias, Heyman,	204 Delancey street.
Ewen, John,	Spuyten Duyvil.
Feiner, Benjamin,	86 Columbia street.
Finkler, James,	114 Cannon street.
Flaum, Julius Arthur,	156 Rivington street.
Frees, John Frank,	612 East 156th street.
Freund, William,	57 Mangin street.
Friedman, Samuel,	130 East 43d street.
Friedman, Samuel,	247 Stanton street.
Gabriel, Bernard Leonard,	262 Willis ave., bet. 138th and 139th sts.
Gieschen, Albert Henry,	100 East 121st street.
Glück, Emil,	Heb. Orphan Asy., 136th st. & 10th av.
Goericke, William Andrew,	106 First avenue.
Goldman, Charles,	1 Pike street.
Goodale, Wilber Curtis,	208 Fifth avenue.
Goodman, Aaron,	116 Bleecker street.
Greenberger, Otto,	96 Goerck street.
Gross, Charles Henry,	319 East 13th street.
Grossman, David,	349 East Houston street.
Guion, Clarence Childs,	1383 Washington avenue.
Guion, Frederic Barnard,	1383 Washington avenue.
Halpert, Henry,	367 East Houston street.
Hamburger, Max Sigmund,	222 East 58th street.
Hanson, Charles H.,	3 St. Mark's place.
Hanson, Frank Reed,	117 Second avenue.
Harrington, Wentworth Lewis,	222 West 23d street.

Hays, Martin,	168 East 72d street.
Heine, Arthur,	139 West 64th street.
Helion, Maurice Joseph,	751 East 141st street.
Hewitt, Harry Mason,	341 East 30th street.
Heymann, Everett Bernard,	134 East 80th street.
Hobart, Charles Delano,	22 West 9th street.
Hohlweck, Albert Myers,	155 Second avenue.
Hollander, Edward,	18 Avenue A.
Hostomsky, Louis,	316 East 40th street.
Hull, Edward Seabrook, Jr.,	341 West 55th street.
Jacobs, Abraham David,	82 Hester street.
Jasper, Joseph H.,	128 West 123d street.
Jones, Franklin M.,	160 Ninth avenue.
Kaiser, Joseph Godfrey,	2778 Third avenue.
Kenney, Edward Joseph,	90 Broome street.
Kilmer, Clarence Broughton,	9 East 57th street.
Kirk, Charles Judson,	1109 Washington ave., near 166th st.
Kneuper, George Martin,	38 East 4th street.
Knoeppel, Harold Charles,	594 East 141st street.
Knorr, Charles,	3612 Third avenue.
Koehler, Albert,	1810 Third avenue.
Krowl, Harry Cates,	152 Ninth avenue.
Kuhn, Arthur Kline,	80 East 92d street.
Lanz, Joseph Leonard,	29 Frankfort street.
Lester, Florence William,	410 East 50th street.
Levine, Leopold,	81 Willett street.
Levy, William,	318 East 116th street.
Lewis, Nathan Henry,	85 Attorney street.
Liebermann, Jeremiah,	417 East 84th street.
Liebling, James Saul,	143 East 57th street.
Lörincz, Simon,	642 East 5th street.
Lurye, Henry Israel,	231 Broome street.
MacGregor, William Alexander,	131 West 53d street.
MacMullen, Charles William,	521 West 161st street.
Mahoney, Jeremiah,	117 East 89th street.
Marcus, Leopold,	69 East 59th street.
Marks, Isaac Edward,	223 West 123d street.
Mayer, Edward Simon,	115 East 56th street.
Mayers, Jacob,	138th street and Tenth avenue.
McAdam, Edward Wallace,	308 West 20th street.
McCabe, James Thomas,	530 West 42d street.
McCague, James Alexander,	155 East 21st street.
McEachren, George,	1476 Third avenue.
McKnight, George Edward,	208 East 70th street.
Menline, Isaac,	356 East 69th street.

Meyers, Sidney Simon,	110 East 92d street.
Minkowsky, Adolph Mitchell,	230 Clinton street.
Mittenthal, Abram,	329 East 123d street.
Mohr, Albert Gustav,	17 Bedford street.
Monks, Jerome Boniface,	139 West 121st street.
Moore, Garrett Joseph,	322 East 30th street.
Morse, Sidney Edwards,	44 West 17th street.
Mott, Joshua Mors,	67 East 77th street.
Murray, Hugh Charles,	530 West 42d street.
Neill, John,	128 West 100th street.
Newman, Edward,	349 East Houston street.
Nicholson, Clair Montjoy	270 West 128th street.
Nicholson, James Harry,	270 West 128th street.
Niemann, John F. F.,	122 East 4th street.
Obermeier, Leonard Jerome,	155 East 55th street.
O'Connell, Daniel Joseph,	208 East 76th street.
O'Connor, John,	676 East 140th street.
O'Grady, Cornelius Edward,	1062 Forest avenue.
Oppenheimer, Bernard Sutro,	72 East 61st street.
Payne, George Henry,	127 Madison street. [side Drive.]
Phillips, James Joseph,	111th street, bet. Boulevard and River-
Popper, William,	884 St. Nicholas avenue.
Poth, John,	2020 First avenue.
Pressprich, Reginald William,	411 West 154th street.
Putney, Edmonds,	110 West 73d street.
Rathkowski, Gustavus Adolphus,	104 East Broadway.
Rauh, Herbert Samuel,	54 East 73d street.
Reass, Benjamin,	21 Avenue B.
Reed, William Lewis,	43 Morton street.
Reich, Sigmund,	7 Avenue B.
Rodarmor, John Frank,	260 East 122d street.
Rogers, Charles Edward,	119 East 123d street.
Rosenbaum, Harry,	228 Varick street.
Rosenthal, Hugo,	561 Tenth avenue.
Ross, A. Franklin,	339 Bowery.
Ross, George,	346 West 19th street.
Rubenstein, Samuel,	151st street and Eleventh avenue.
Schattman, Jacob,	139 West 126th street.
Schirrmaster, Adolph Otto,	252 East Houston street.
Schwartz, Samuel L.,	675 Eighth avenue.
Semken, George Henry,	763 Sixth avenue.
Shattuck, Raymond Wilbur,	352 West 22d street.
Slawson, Loton Horton,	355 Lexington avenue.
Smith, Archibald Delavan,	1265 Lexington avenue.
Smith, James Gilmore,	251 West 127th street.

Smith, Oliver,	460 West 44th street.
Sobel, Henry,	148 Henry street.
Spiegel, Maximilian,	317 East 30th street.
Spiegelberg, Eugene,	156 West 44th street.
Spurr, Harry Blin,	1491 Lexington avenue.
Stark, Meyer,	87 Baxter street.
Steinach, Henry Augustus,	188 Second avenue.
Steinert, Henry,	221 East 53d street.
Stewart, Harrie Odell,	249 West 135th street.
Stewart, Robert William,	123 West 11th street.
Stiefel, Otto August,	164 East 79th street.
Stuart, Edward Preston,	200 East 10th street.
Sutorius, Frank Alexis,	39 Whitehall street.
Theise, Jacob,	103 East 89th street.
Utter, Francis Asbury,	103 West 71st street.
Valentine, Morris Crawford,	213 West 131st street.
Vermilya, Frank Bayles,	33½ West 131st street.
Vermilyea, James Hewitt,	696 Greenwich street.
Vollbracht, Robert,	333 Alexander avenue.
Voorhees, Henry Belin,	Spuyten Duyvil.
Ward, Robert Bryson,	77 East 114th street.
Wasservogel, Isidor,	306 East 75th street.
Wechsler, Martin,	153 Suffolk street.
Weichert, Arnold Ernst,	437 West 13th street.
Weston, John Cornelius,	103 East 104th street.
Weyh, Robert G., Jr.,	217 East 128th street.
White, Andrew J., Jr.,	1937 Madison avenue.
Wilshinsky, Jacob,	198 Rivington street.
Wollstein, Edward,	236 East 60th street.
Young, Elmer Westervelt,	1829 Lexington avenue.

SUB-FRESHMAN CLASS—SCIENTIFIC COURSE.

Adler, Maximilian L.,	163 Henry street.
Bachman, Jerome N.,	78 West 89th street.
Beihlif, Joseph,	315 East 69th street.
Bliss, Robert Franklin,	959 Park avenue.
Bloom, Ralph,	16 East 120th street.
Boehm, George Nathan,	130 East 78th street.
Bowman, Ernest William,	4 Sylvan Terrace.
Bowman, Leon,	108 East 73d street.
Bowsky, Hermann,	254 East 49th street.
Boyd, Clarence Dannat,	46 West 62d street.
Boye, William,	524 East 12th street.
Boylston, James Monroe,	233 East 37th street.

Brett, William Henry,	300 East 72d street.
Browne, Joseph Henry,	102 West 92d street.
Brussel, Herbert,	18 East 81st street.
Burgheimer, Jacob,	2355 First avenue.
Candler, John,	235 East 33d street.
Candler, Joseph,	235 East 33d street.
Case, H. Clarence,	850 Morris avenue.
Cohen, Joseph,	1094 Second avenue.
Cohen, Moses,	4 Norfolk street.
Coleman, Nathan,	128 West 21st street.
Connelly, Thomas Sloane,	365 West 52d street.
Cosgrove, Alvord,	491 Third avenue.
Cuff, John S.,	307 East 56th street.
Curtis, Harry Joseph,	142 East 36th street.
Dabour, John G.,	208 East 46th street.
Daly, Raymond,	188 Lexington avenue.
Davis, Herbert Arthur,	336 West 48th street.
Dazian, Louis,	434 East 57th street.
Dolan, Stephen Henry,	111 East 129th street.
Dougherty, Charles Percy,	127 East 55th street.
Douglass, Charles Hewitt,	45 East 132d street.
Eckstein, Irving Bernhardt,	357 East 124th street.
Ehrenreich, Jacob James,	48 East 74th street.
Eisner, Jerome,	5 Mitchell place.
Ellison, Elliot Jacob,	1893 Madison avenue.
Enthal, Jonas,	349 East 3d street.
Erdmann, Ernest Fred. Emil,	82 Second avenue.
Farrington, Robert Melius,	613 East 140th street.
Feinberg, Henry George,	165 Broome street.
Fernbach, Walter Moritz,	228 East 61st street.
Finesilver, Louis,	134 East Broadway.
Fishel, Leo,	213 East 60th street.
Fisher, Henry,	108 East 70th street.
Fleisch, Samuel,	81 East 79th street.
Fogazzi, Alphonse John,	65 Thompson street.
Foulk, Enos Victor,	58 Monroe street.
Fox, E. W.,	207 West 133d street.
Gans, Isaac,	336 East 123d street.
Gans, Jonas,	411 East 51st street.
Gartensteig, Moses,	228 East 71st street.
Gierisch, George John,	935 East 137th street.
Goldberger, Joseph,	102 Pitt street.
Goldman, Samuel Perry,	312 East 43d street.
Goldmark, Carl,	248 West 51st street.
Goodman, Abraham,	63 Canal street.

Gottheimer, David,	19 St. Mark's place.
Greer, George Washington,	625 Ninth avenue.
Grossman, Daniel,	42 Pitt street.
Guild, Thomas Lurell,	366 St. Nicholas avenue.
Hamilton, Joseph Harry,	2½ Charles street.
Harris, James Elbert,	2414 Second avenue.
Hassell, George Hayes,	304 East 124th street.
Hebbard, Harrison,	257 West 127th street.
Heilbroner, Milton Douglas,	10 East 93d street.
Heineman, Walter Simon,	348 East 116th street.
Heller, Henry,	318 East 87th street.
Henry, Edward William,	40 Market street.
Herzog, Howard,	149 East 83d street.
Herzog, Mayer,	109 East 91st street.
Hess, Arthur Max,	117 East 72d street.
Howland, Charles Francis,	41 East 132d street.
Hubler, Samuel,	168 Mulberry street.
Hyams, Jacob Leo,	435 East 85th street.
Isaac, Benjamin,	Heb. Orphan Asy., 136th st. & 10th av.
Ives, Harold,	164-165th street, Southern Boulevard.
Jaffer, Louis Albert,	219 Madison street.
Jelliffe, Raymond,	208 West 83d street.
Jeselson, Alfred,	160 East 80th street.
Johnson, Arthur Montgomery,	113 West 86th street.
Johnston, Frederick Alvord,	40 West 59th street.
Kenny, Christopher John,	49 Henry street.
Koch, Spencer Bendit,	706 Madison avenue.
Koretz, Benjamin,	2 Sutton pl., cor. 58th st. and Ave. A.
Kortheuer, Herman Frank,	72 West 92d street.
Kreisler, David,	642 Third avenue.
Krone, John George William,	1233 Lexington avenue.
Landsiedel, Frank Louis,	586 East 134th street.
Langer, Samuel,	Heb. Orphan Asy., 138th st. & 10th av.
Lederer, Edward Samuel,	90 Greenwich street.
Lein, William John,	210 East 34th street.
Leon, Leslie I.,	112 East 103d street.
Levy, Isaac,	349 East 50th street.
Levy, Samuel Johnson,	172 East 74th street.
Lewis, Maurice Barnett,	195 Henry street.
Lippincott, Arthur Horton,	230 West 76th street. [Tremont.
Litter, Ferdinand Joseph,	Anthony ave., opp. Gray st., Mt. Hope,
Loos, Herman Andrew,	119 East 115th street.
Lowenbaum, Eugene,	318 East 116th street.
Ludwig, Augustus,	299 Seventh avenue.
Mack, Mortimer Clarence,	124 West 78th street.

Mackiewicz, Julius,	231 East 77th street.
Mackin, Harry Joseph Francis,	304 East 20th street.
Mager, Charles,	1071 Second avenue.
Mandell, Gustave Keiffer,	132 East 82d street.
Martin, Albert Richard,	227 East 115th street.
McDonald, James H.,	339 West 28th street.
McGuire, Clarence K.,	104 Bank street.
McSorley, Edward Francis,	414 Tenth avenue.
Menke, William,	249 East 48th street.
Meyer, Albert S.,	157 West 126th street.
Meyerholz, John H.,	306 East 85th street.
Meyers, Herbert Edward,	342 West 28th street.
Miller, Albert,	156 Rivington street.
Montross, John Dodge,	872 Lexington avenue.
Moore, John Nathaniel,	316 West 51st street.
Müller, Bernhard,	345 East 55th street.
Newman, Harry,	1502 Second avenue.
Nolan, Joseph V.,	50 Tenth avenue.
O'Connor, Charles Henry,	338 East 55th street.
Piercy, Albert I.,	248 West 11th street.
Poznanski, Walter,	232 East 51st street.
Reppenhagen, Charles William,	188 Chrystie street.
Riley, Daniel Joseph,	59 East 123d street.
Roberts, John Stacey Victor,	1599 Lexington avenue.
Robinson, Franklin Whitmann,	620 East 135th street.
Rockwell, Alphonso David,	357 West 116th street.
Rosenbaum, William,	453 East 122d street.
Rosett, Max,	197 Stanton street.
Rourke, Thomas,	177 East 74th street.
Saunders, George Crosby,	104 West 92d street.
Saxe, Louis,	165 East 66th street.
Schafransky, Leo,	73 East 108th street.
Scheider, Louis Bernhard,	187 East 64th street.
Schiffer, Harry Creswell,	949 Madison avenue.
Schläng, David,	171 East Broadway.
Schloss, Charles,	448 Eighth avenue.
Schottenfels, Monroe,	413 East 50th street.
Schroeder, Edgar Hawkins,	131 West 127th street.
Schwab, Alfred,	318 West 26th street.
Schwartz, Walter,	77 East 111th street.
Schwarz, Herman,	441 East 118th street.
Seitz, Walter Robert,	1186 Lexington avenue.
Silver, Max,	151st street and Eleventh avenue.
Sinn, Bernhard Albert,	171 East 70th street.
Smith, Joseph,	198 Alexander avenue.

Sneider, Louis Davis,	101 Orchard street.
Staelin, Gustav Ferdinand,	213 East 82d street.
Steiger, Ernest Herman,	715 Lexington avenue.
Stern, Abraham,	55 West 50th street.
Stern, Albert Louis,	55 West 97th street.
Stern, Leo,	359 Pleasant avenue.
Stroh, Edward Adolph,	383 Sixth avenue.
Sylvester, Daniel Arthur George,	63 Park street.
Ten Eyck, Frank Harding,	172 Alexander avenue.
Thorn, Frank,	33 2d street.
Toklas, Nathan,	23 East 83d street.
Tombo, Rudolf,	157 East 49th street.
Townsend, John,	252 West 45th street.
Traub, Ural Stilwell,	57 West 124th street.
Van Holland, Charles, Jr.,	349 East 83d street.
Varley, James Jerome,	65 Oliver street.
Viau, Alfred William,	60 East 125th street.
Wallenstein, Milton,	1435 Lexington avenue.
Ward, Eugene Joseph,	272 East Broadway.
Wechsler, Walter Mortimer,	107 East 65th street.
Wehrum, Delafield Bates,	315 East 20th street.
Weil, Alfred,	172 East 94th street.
Weinschel, George,	36 Henry street.
Weisl, Henry,	349 East 62d street.
Weiss, Edward,	231 East 85th street.
Werdenschlag, Arthur,	140 West 48th street.
Wiener, Jacob Israel,	572 Ninth avenue.
Wilken, Carl Frederick,	176 West 105th street.
Williams, Robert F.,	141 West 100th street.
Willner, Herman Morris,	74 Canal street.
Witt, Henry,	200 Bowery.
Wolff, Leo Lippmann,	2253 Second avenue.
Wolfson, Albert,	128 East 56th street.
Wright, Alfred Ambrose,	163d street and Sheridan avenue.

SUB-FRESHMAN CLASS—SCIENTIFIC COURSE, WITH MECHANICS.

Adler, Samuel,	419 East 63d street.
Agnew, Cyrus Foss,	401 West 16th street.
Alexander, Joseph,	327 East 123d street.
Allen, Albert Ferris,	696 East 134th street.
Allen, William Cremer,	326 West 36th street.
Allmuth, Frank Aloise,	161 East 72d street.
Anderson, Arthur Carter,	74 Fifth avenue.
Appel, Israel,	74 Suffolk street.

Baily, William,	172 Monroe street.
Barfiel, Joseph,	58 Orchard street.
Beck, George Henry,	45 St. Mark's place.
Becker, Louis,	393 Bowery.
Billmann, Emile,	363 Seventh avenue.
Bing, Leo Simon,	71 East 77th street.
Binzen, Edward Oscar,	301 East 121st street.
Bloom, David,	28 Canal street.
Bloomberg, Harry,	375 East 176th street.
Blumenthal, Joseph,	52 East 75th street.
Bowden, Douglas Wilson,	2 Charles street.
Boyd, Morris C.	1034 Woodruff avenue.
Boyer, Wilbur Sarles,	321 West 85th street.
Brown, Homer Cary,	211 West 122d street.
Brown, John Joseph,	506 East 121st street.
Bruning, John Michael,	519 East 84th street.
Buchanan, Jno. Russell,	100 West 28th street.
Buck, John Charles,	361 West 51st street.
Burden, Wesley Warner,	210 East 52d street.
Byrnes, William,	2253 Second avenue.
Cahm, Charles Blum,	1185 Lexington avenue.
Cane, Henry,	102 East 106th street.
Clancy, James Mathais,	65 Prince street.
Cohen, Jacob,	418 East 115th street.
Cohen, Moses,	141 Monroe street.
Cook, Edwin,	Spuyten Duyvil.
Cook, James Lorimer,	140 West 123d street.
Cordier, Charles Xavier, Jr.,	163 East 72d street.
Coshland, Leopold Bernard,	162 East 114th street.
Darling, Frank Washington,	314 West 19th street.
Doscher, Charles F.,	214 Elm street.
Eardley, John,	1643 Ninth avenue.
Edstrom, Edward,	169 West 21st street.
Elgar, James,	269 West 71st street.
Emanuel, Max,	309 East 72d street.
Feltenstein, Moses,	91 Canal street.
Fix, William Ferdinand,	873 Second avenue.
Flesh, William Bernard,	884 St. Nicholas avenue.
Foster, George Herbert,	162 Lexington avenue.
Fribourg, Nathan Solomon,	323 East 58th street.
Gabay, Harry Rutherford,	1890 Lexington avenue.
Galicenstein, Clarence,	346 East 116th street.
Garnsey, Everett Newton,	132 East 28th street.
Gebert, Gustav,	2239 Third avenue.
Glenk, Wesley,	320 East 55th street.

Goldberg, John Lazarus,	118 West 122d street.
Golding, Thomas,	140 West 28th street.
Greene, William Joseph,	725 East 134th street.
Gregory, Herbert,	83 Washington place.
Griffin, Joseph Thomas,	418 Cherry street.
Griffin, William John,	211 East 105th street.
Hamann, Frederick Charles,	664 Tenth avenue.
Hamilton, Samuel Alexander,	546 West 35th street.
Handloser, Robert Carl,	500 East 121st street.
Harper, John Ferguson,	9 East 59th street.
Harper, William Gair,	9 East 59th street.
Hartshorn, La Mott,	142 East 59th street.
Healy, Arthur Van Alstyne,	836 Fourth avenue.
Helmer, N. Arthur,	126 East 17th street.
Hempel, Arthur,	1135 Park avenue.
Herschman, Carl William,	163 East 63d street.
Hirsch, Isaac Henry,	307 East 72d street.
Hlavac, Joseph,	1329 First avenue.
Holbrow, Herman Livingston,	203 Mulberry street.
Hollander, Arthur,	47 East 123d street.
Hollander, Emanuel,	419 East 58th street.
Hopkins, Edward Joseph,	270 West 96th street.
James, William Scott,	79 West 12th street.
Jefferies, Alfred Benney,	409 Ninth avenue.
Jessen, Andrew F.,	243 West 46th street.
Kavanagh, Joseph,	227 Seventh avenue.
Kronfeldt, Abraham,	95 East Broadway.
Laig, Frederick Ernest,	238 East Broadway.
Lampe, Christian,	102 East 105th street.
Lang, Louis,	69th street and East River.
Larkin, James Patrick,	20 Harrison street.
Leinkauf, Joseph Herman,	135 East 58th street.
Lese, Samuel,	106 East 54th street.
Lessels, William Velsor,	261 Sixth avenue.
Levers, Robert,	135 East 27th street.
Levine, Max,	95 East Broadway.
Levinson, Edwin David,	325 West 56th street.
Levy, Charles,	405 Canal street.
Lissberger, Benjamin,	118 East 60th street.
Lucke, Charles Edward,	270 West 96th street.
Lyon, Henry Charles,	114 West 87th street.
Maas, Albert,	65 East 77th street.
Macy, George Howard,	1086 Westchester avenue.
Madden, John Henry,	350 West 31st street.
Mahony, Valjean Danner,	988 East 169th street.

Manges, Alexander,	235 East 107th street.
Marrin, Edward S.,	344 East 31st street.
Marshall, William Francis,	74 West 46th street.
Martin, Harold Metcalf,	311 West 101st street.
Martin, Joseph,	668 East 163d street.
McClelland, James Bruce,	332 West 59th street.
McDermott, George Bernard	7 Pitt street.
McLean, John Malcom,	243 West 37th street.
Meany, William Stephen,	977 Amsterdam avenue.
Mehrbach, William,	74 East 54th street.
Mehrtens, Henry Edward,	280 Third avenue.
Meurer, Louis G.,	153d street and Tenth avenue.
Milligan, William Brummell,	73 East 124th street.
Monfried, Max,	95 East Broadway.
Morley, Austin C.,	428 Pleasant avenue.
Morrison, Herbert Hunt,	118 West 87th street.
Muhling, Francis Joseph,	101 South Fifth avenue.
Nagel, John,	193 Tenth avenue.
Neale, Theodore Buonarotti,	90 West 134th street.
Nicholls, Harry Harris,	219 East 74th street.
O'Reardon, Ignatius,	345 East 17th street.
Orschiedt, August Herman,	302 East 38th street.
O'Ryan, John F.,	1199 Fulton avenue.
Parcels, Harry Merrill,	241 West 135th street.
Peterson, Herman F.,	234 East 46th street.
Porter, Walter Carpenter,	58 West 33d street.
Pullman, William Turner,	1032 Park avenue.
Randles, Thomas Bernard,	290 Front street.
Ranson, Stephen, Jr.,	237 West 131st street.
Raphaer, David Asher,	81 Elizabeth street.
Reith, George,	369 8th street.
Richtberg, Hermann Andrew	205 West 41st street.
Rice, Robert,	122 West 129th street.
Riotte, Carl,	102 West 136th street.
Robinson, Gilbert Marshall,	193 West 134th street.
Robinson, John Alexander,	353 West 46th street.
Roche, George Edward,	157 East 72d street.
Ruzicka, Frank,	427 East 63d street.
Schwarzkopf, Edward,	1298 Fifth avenue.
Seely, Walter,	247 West 69th street.
Sieberg, William Henry Julius	158 East 124th street.
Simpson, Robert,	214 East Broadway.
Sissenwine, Abraham,	109 Norfolk street.
Smyth, Campbell,	32 West 130th street.
Solomon, William Josiah,	248 East 68th street.

Soule, William Manuel,	1332 Amsterdam avenue.
Stahl, George Fredrick,	419 East 15th street.
Stock, Frederick,	349 Seventh avenue.
Straus, Louis,	18 Columbia street.
Streep, Isaac,	434 Seventh avenue.
Sullivan, James,	171st street and Kingsbridge road.
Tarler, Abraham George,	425 East 116th street.
Tarpy, Joseph Edward Matthew,	501 East 142d street.
Thompson, George Russel,	240 East 34th street.
Tilson, Frank Zachariah,	101 West 37th street.
Tucker, Beverly,	2301 Seventh avenue.
Valk, Francis Marion,	163 East 37th street.
Van Note, Edwin Maurice,	911 Seventh avenue.
Varley, Thomas Francis,	65 Oliver street.
Volmer, Edwin,	1036 Second avenue.
Vreeland, George W.,	413 West 51st street.
Wadsworth, Charles J.,	185th street near Washington avenue.
Walther, Edwin,	320 East 30th street.
Welcker, Christopher B.,	418 West 51st street.
Williams, Harry Vandervoort,	14 East 85th street.
Wilson, Oliver Edgar,	75 West 87th street.
Wolf, Clifford Abraham,	261 West 134th street.
Wolf, Edwin Nelson,	261 West 134th street.





UNIVERSITY OF ILLINOIS-URBANA



3 0112 112224867